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METHODS OF CALCULATING FUNDAMENTAL SOLUTIONS OF THE
WAVE EQUATION, WITH TABLES

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METHODS OF CALCULATING FUNDAMENTAL SOLUTIONS OF THE
WAVE EQUATION, WITH TABLES

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SUMMARY

Methods of computing two specific, fundamental solutions of the wave equation are presented. These solutions are applicable to certain problems in the theory of wing-body interference in supersonic flow. One of the functions has been tabulated previously, and tables of the second function are presented here.

INTRODUCTION

A common method of solving boundary-value problems in many fields of applied mathematics is to compute and tabulate certain fundamental solutions of simple, idealized problems. Solutions of more complex problems, as well as approximate solutions of more practical problems, can then be obtained by superposition of these fundamental solutions.

Two such fundamental solutions of the wave equation in cylindrical coordinates have been discussed, one by Nielsen in reference 1 and one by Randall in reference 2. These authors are concerned with problems of wing-body interference in supersonic flow and supersonic flow over nearly circular cylinders, respectively. Both these authors give complete discussions of the history and applications of their solutions. Nielsen presents exhaustive tables, which were computed by the present writer (ref. 3). Randall gives brief tables of his solution. Both Nielsen's and Randall's solutions are two-dimensional generalizations of certain one-dimensional solutions given originally by Ward (ref. 4, pp. 172-175).

In view of the foregoing, the present paper is devoted entirely to the mathematical problem of computing these fundamental solutions. The various methods used in computing Nielsen's solution are presented first. Next it is shown that Randall's solution is obtainable directly from Nielsen's by quadrature, and tables of Randall's solution are presented. Finally, it is shown that both solutions can be obtained simultaneously by the method of characteristics, and this was done to provide an independent check on both sets of tables.

SYMBOLS

A, B, C, D, G	intermediate quantities used in method of characteristics
$\left. \begin{matrix} a_{n,m}; b_{n,m}; \\ c_{n,m} \end{matrix} \right\}$	coefficients in power series
F_n	derivatives of Legendre functions
$F(z, r), A, B$	subsidiary quantities in appendix C
f_n	Laplace transform of F_n
H_n	kernel of integral equation
h_n	Laplace transform of H_n
K, E	complete elliptic integrals
K_n	modified Bessel function of second kind
K_n'	derivative of K_n
k	modulus of elliptic integral
k'	complementary modulus of elliptic integral
$L \left\{ \right\}$	Laplace transform
n	order number
P	$\frac{\partial R_n}{\partial \xi}$
P_n	Legendre functions
p	independent variable in Laplace transformation
$p_{n,j}$	coefficients in power series for Legendre functions
Q	$\frac{\partial R_n}{\partial \eta}$
R_n	modified Randall's function
r	independent variable in radial direction
S	$\frac{\partial^2 R_n}{\partial \xi \partial \eta}$

U_n	solution of integral equation
u_n	Laplace transform of U_n
V_n	Randall's function
W_n	Nielsen's function
w_n	Laplace transform of W_n
x, z	independent variables in stream direction
$\beta, \psi^*, \rho, \alpha$	transformation variables in appendix B
Γ	gamma function
Δ	$\begin{cases} z, r & \text{spacing in method of finite differences} \\ \xi, \eta & \text{spacing in method of characteristics} \end{cases}$
(ν, k)	Hankel's symbol
ξ, η	characteristic coordinates
φ	$\frac{n\Delta}{r}$
Ψ	function representing either W_n or R_n in boundary-value problem
ψ	Laplace transform of Ψ

DEFINITION OF THE FUNCTIONS

Both Nielsen's and Randall's functions are defined by means of their Laplace transforms. With obvious, slight changes in notation the definitions are

$$\int_0^\infty W_n(x, r) e^{-px} dx = \frac{e^{pr} K_n(pr)}{e^{pK_n'}(p)} + \frac{1}{\sqrt{r}} \quad (1)$$

$$\int_0^\infty R_n(x, r) e^{-px} dx = - \frac{e^{pr} K_n(pr)}{pe^{pK_n'}(p)} \quad (2)$$

The function, $W_n(x,r)$, as defined here is precisely Nielsen's function. Randall defines a function, $V_n(x,r)$, whose Laplace transform does not contain the exponential factors of equation (2) above. Thus, by reference 5, the functions R_n and V_n are related as follows:

$$V_n(x,r) = \begin{cases} 0 & \text{if } x < r-1 \\ R_n(x-r+1,r) & \text{if } x \geq r-1 \end{cases} \quad (3)$$

The functions W_n and R_n are the ones to be discussed in the present paper.

METHODS OF COMPUTATION

Nielsen's function, $W_n(x,r)$, was computed first. Three different methods were used:

1. Power series, for $0 \leq x \leq 1.5$, all n ,
2. Integral equation, for $x > 1.5$, $n \leq 5$,
3. Finite differences, for $x > 1.5$, $n > 5$.

The function $R_n(x,r)$ was then computed from $W_n(x,r)$ by quadrature. Finally, both functions were computed simultaneously by the method of characteristics. Each of these methods will now be described in detail.

Power Series

Denoting the Laplace transform of $W_n(x,r)$ by $w_n(p,r)$, one can write equation (1)

$$w_n(p,r) = \frac{e^{pr} K_n(pr)}{e^{pK_n'(p)}} + \frac{1}{\sqrt{r}}$$

Replacing the Bessel functions by their asymptotic series (ref. 6) gives

$$w_n(p,r) = \frac{1}{\sqrt{r}} - \frac{1}{\sqrt{r}} \frac{\sum_{m=0}^{\infty} \frac{a_{n,m}}{p^m}}{\sum_{j=0}^{\infty} \frac{b_{n,j}}{p^j}} \quad (4)$$

where

$$a_{n,m} = \frac{(n,m)}{(2r)^m} \quad (5)$$

$$b_{n,j} = \frac{(n-1,j) + (n+1,j)}{2^{j+1}} \quad (6)$$

the Hankel's symbols, (v,k) , being defined by

$$(v,k) = \frac{\Gamma\left(v+k+\frac{1}{2}\right)}{k! \Gamma\left(v-k+\frac{1}{2}\right)} \quad (7)$$

The Hankel's symbols are easily computed by means of the recurrence relations:

$$(v,0) = 1$$

$$(v,k+1) = (v,k) \frac{\left(v+k+\frac{1}{2}\right) \left(v-k-\frac{1}{2}\right)}{k+1}, \quad k=0,1,2, \dots$$

Thus, for example,

$$(v,1) = v^2 - \frac{1}{4}$$

$$(v,2) = \frac{\left(v^2 - \frac{1}{4}\right)\left(v^2 - \frac{9}{4}\right)}{2}$$

$$(v,3) = \frac{\left(v^2 - \frac{1}{4}\right)\left(v^2 - \frac{9}{4}\right)\left(v^2 - \frac{25}{4}\right)}{3!}$$

etc., and the first few a 's and b 's are

$$a_{n,0} = 1 ,$$

$$b_{n,0} = 1$$

$$a_{n,1} = \frac{4n^2 - 1}{8r} ,$$

$$b_{n,1} = \frac{4n^2 + 3}{8}$$

$$a_{n,2} = \frac{(4n^2 - 1)(4n^2 - 9)}{128r^2} , \quad b_{n,2} = \frac{16n^4 + 56n^2 - 15}{128}$$

etc.

Returning to equation (4), one can write $w_n(p,r)$ as a series

$$w_n(p,r) = \frac{1}{\sqrt{r}} \sum_{m=1}^{\infty} \frac{c_{n,m}}{p^m} \quad (8)$$

where the c 's are given by the recurrence relations,

$$c_{n,0} = -1$$

$$c_{n,m} = -a_{n,m} - \sum_{k=0}^{m-1} b_{n,m-k} c_{n,k} , \quad m = 1, 2, 3 \dots$$

Thus, for example,

$$c_{n,1} = \frac{1 - 4n^2}{8r} + \frac{4n^2 + 3}{8}$$

$$c_{n,2} = - \frac{(4n^2 - 1)(4n^2 - 9)}{128r^2} + \frac{(4n^2 - 1)(4n^2 + 3)}{64r} - \frac{16n^4 - 8n^2 + 33}{128}$$

etc.

Finally, inverting the Laplace transform of equation (8) gives the desired power series

$$W_n(x, r) = \frac{1}{\sqrt{r}} \sum_{m=1}^{\infty} \frac{c_{n,m}}{m!} x^{m-1} \quad (9)$$

In particular, setting $x = 0$ gives the special value

$$W_n(0, r) = \frac{c_{n,1}}{\sqrt{r}} = \frac{1}{8\sqrt{r}} \left(4n^2 + 3 + \frac{1 - 4n^2}{r} \right) \quad (10)$$

and setting $r = 1$ in this gives

$$W_n(0, 1) = \frac{1}{2} \quad (11)$$

This power series, truncated at $m = 50$, was used to compute $W_n(x, r)$ for $0 \leq x \leq 1.5$. The coefficients were computed by the recurrence relations, using fixed decimal arithmetic and retaining seven digits to the left of the decimal point and thirteen to the right. These calculations were performed on the Burroughs Datatron-204, a magnetic drum computer.

Integral Equation

For values of x greater than 1.5 the power series converges too slowly or not at all, and other methods must be used. It is convenient

to begin with the following formula (ref. 7):

$$L \left\{ P_n - \frac{1}{2} (x+1) \right\} = \sqrt{\frac{2}{\pi p}} e^{p K_n(p)} \quad (12)$$

Next introduce

$$F_n(x) = \frac{dP_n - \frac{1}{2} (x+1)}{dx} \quad (13)$$

and

$$H_n(x) = \frac{1}{2} [F_{n-1}(x) + F_{n+1}(x)] \quad (14)$$

The Laplace transforms of F_n and H_n are

$$f_n(p) = \sqrt{\frac{2p}{\pi}} e^{p K_n(p)} - 1$$

$$h_n(p) = -1 - \sqrt{\frac{2p}{\pi}} e^{p K_n(p)} (p)$$

Finally, introduce $U_n(x)$ and its transform, $u_n(p)$, defined by

$$u_n(p) = \frac{h_n(p)}{1 + h_n(p)} \quad (15)$$

Then the transform, $w_n(p,r)$, equation (1), can be transformed into

$$w_n(p,r) = \frac{1}{\sqrt{r}} [u_n(p) - f_n(pr) + u_n(p)f_n(pr)] \quad (16)$$

Taking the inverse Laplace transforms of equations (15) and (16) gives

$$U_n(x) + \int_0^x U_n(\xi) H_n(x-\xi) d\xi = H_n(x) \quad (17)$$

and

$$W_n(x,r) = \frac{1}{\sqrt{r}} \left[U_n(x) - \frac{1}{r} F_n \left(\frac{x}{r} \right) + \frac{1}{r} \int_0^x F_n \left(\frac{\xi}{r} \right) U_n(x-\xi) d\xi \right] \quad (18)$$

Thus, equation (17) is an integral equation for the function $U_n(x)$. This equation does not contain r , so that this technique effects a partial separation of the variables x and r . The solution of the integral equation (17) and the evaluation of W by means of equation (18) were both performed by numerical quadrature, using fixed decimal arithmetic. These calculations were performed on an IBM type 701 electronic computer. Tables of the functions F_n and H_n were computed and prestored; then U_n was computed from (17) and W_n from (18). Details of these calculations will be found in appendix A.

This method was used for $1.5 < x, 0 \leq n \leq 5$. For larger values of n it was not possible to retain sufficient accuracy in the calculation of U_n .

Finite Differences

After exploitation of the two preceding methods, there still remained the problem of computing $W_n(x,r)$ for $x > 1.5, n > 5$. This was solved by expressing $W_n(x,r)$ as the solution of the following boundary value problem:

$$\frac{\partial^2 W_n}{\partial r^2} + \frac{1}{r} \frac{\partial W_n}{\partial r} - \frac{\partial^2 W_n}{\partial z^2} - \frac{n^2}{r^2} W_n = 0 \quad (19)$$

$$W_n = \frac{1}{8\sqrt{r}} \left(4n^2 + 3 + \frac{1 - 4n^2}{r} \right) \quad \text{at } x = 0 \quad (20)$$

$$\frac{\partial W_n}{\partial r} = 0 \quad \text{at } r = 1 \quad (21)$$

where $z = x + r - 1$ and the partial derivatives with respect to r are obtained by holding z constant (see appendix B).

The usual method of solving such a problem numerically consists of replacing each partial derivative by a finite-difference quotient and then solving the resulting system of algebraic equations. However, there are many ways of approximating a partial derivative by a finite-difference quotient. For example, if parabolic interpolation is used, the customary formulas are

$$\left. \begin{aligned} \frac{\partial F}{\partial x} &\cong \frac{F(x+\Delta x) - F(x-\Delta x)}{2\Delta x} \\ \frac{\partial^2 F}{\partial x^2} &\cong \frac{F(x+\Delta x) - 2F(x) + F(x-\Delta x)}{(\Delta x)^2} \end{aligned} \right\} \quad (22)$$

This method failed here to give sufficient accuracy with a reasonable interval size. If the interval size had been reduced, the resulting system of equations would have been too large for the available computing machine. Therefore, a different method of finite differences was devised, namely the following:

$$\begin{aligned} W_n(z+\Delta, r) = & -W_n(z-\Delta, r) + \varphi^2 \left(-\frac{5}{6} + \frac{7}{90} \varphi^2 \right) W_n(z, r) \\ & + \left(1 - \frac{1}{12} \varphi^2 + \frac{1}{360} \varphi^4 \right) \left[\left(1 + \frac{\Delta}{2r} \right) W_n(z, r+\Delta) \right. \\ & \left. + \left(1 - \frac{\Delta}{2r} \right) W_n(z, r-\Delta) \right] \end{aligned} \quad (23)$$

with $\varphi = n\Delta/r$. (See appendix C.)

$$W_n(z, r-\Delta) = W_n(z, r+\Delta)$$

A-315 when $r = 1$ in equation (23). The process was started by using the power series to compute the required values of W_n along two starting rays, $x = 1$ and $x = 1 + \Delta$. Equation (23) then produces W_n along the ray $x = 1 + 2\Delta$, and the process is repeated as often as desired. As Nielsen has already remarked in reference 1, this process does tend to become unstable. This instability was detected by keeping a running check on the fourth differences in the z direction. Whenever these differences became excessive, the calculation was backed up in z and the calculated values were smoothed before continuing.

This portion of the calculations was performed by Mr. Stewart M. Crandall of the Ames Research Center, who not only did the programming but also devised the smoothing technique which was critical to the success of the procedure. Again, the Burroughs Datatron was used to perform the calculations.

$R_n(x, r)$ By Quadrature

The preceding sections contain a complete description of the methods used in computing the tables of $W_n(x, r)$, which were published in reference 1. Randall's paper, reference 2, appeared at about this time, and it was decided to extend his tables to include values of r different from unity. Examination of equations (1) and (2) yields the simple relation

$$R_n(x, r) = \frac{1}{\sqrt{r}} - \int_0^x W_n(\xi, r) d\xi$$

so that $R_n(x, r)$ is easily obtained by quadrature if tables of $W_n(x, r)$ are available. This was done three times, using polynomial quadrature formulas of degree 2, 5, and 10, respectively. All three methods gave excellent agreement, and the tables presented herein are those obtained by the first method (Simpson's rule). These calculations were performed on an IBM type 650 Magnetic Drum Computer.

Method of Characteristics

Just before the tables of $R_n(x, r)$ had been completed it was decided to install an IBM type 704 Electronic Data Processing Machine at the Ames Research Center. The large size and high speed of this computer suggested the possibility of recomputing both functions by an independent method as a final check. An appropriate method is the method of characteristics, a description of which follows.

First it can easily be shown that R_n also satisfies the partial differential equation

$$\frac{\partial^2 R_n}{\partial r^2} + \frac{1}{r} \frac{\partial R_n}{\partial r} - \frac{\partial^2 R_n}{\partial z^2} - \frac{n^2}{r^2} R_n = 0$$

and the boundary condition

$$\frac{\partial R_n}{\partial r} = 0 \quad \text{at } r = 1$$

where, as before, $z = x + r - 1$ and the partial derivatives with respect to r are obtained by holding z constant. The remaining boundary condition is (see appendix B)

$$R_n = \frac{1}{\sqrt{r}} \quad \text{at } x = 0$$

Now introduce the characteristic coordinates ξ, η ,

$$\xi = \frac{z - r + 1}{\sqrt{2}}, \quad \eta = \frac{z + r - 1}{\sqrt{2}}$$

and define P, Q, S by

$$P = \frac{\partial R_n}{\partial \xi}, \quad Q = \frac{\partial R_n}{\partial \eta}, \quad S = \frac{\partial P_n}{\partial \eta} = \frac{\partial Q}{\partial \xi} = \frac{\partial^2 R_n}{\partial \xi \partial \eta}$$

Then W_n is given by

$$W_n = - \frac{\partial R_n}{\partial z} = - \frac{P + Q}{\sqrt{2}}$$

and the boundary-value problem transforms into

$$S = \frac{Q - P}{2r\sqrt{2}} - \frac{n^2 R_n}{2r^2} \quad (24)$$

with the boundary conditions

$$R_n = \frac{1}{\sqrt{r}} \quad \text{at } x = 0 \quad (25)$$

$$P = Q \quad \text{at } r = 1 \quad (26)$$

Recalling the definition of P, Q, S suggests immediately the following finite-difference approximations:

$$P(\xi+\Delta, \eta+\Delta) = P(\xi+\Delta, \eta) + \Delta \frac{S(\xi+\Delta, \eta) + S(\xi+\Delta, \eta+\Delta)}{2} \quad (27)$$

$$Q(\xi+\Delta, \eta+\Delta) = Q(\xi, \eta+\Delta) + \Delta \frac{S(\xi, \eta+\Delta) + S(\xi+\Delta, \eta+\Delta)}{2} \quad (28)$$

$$\begin{aligned} R_n(\xi+\Delta, \eta+\Delta) = \frac{1}{2} \left[R_n(\xi, \eta+\Delta) + \Delta \frac{P(\xi, \eta+\Delta) + P(\xi+\Delta, \eta+\Delta)}{2} \right. \\ \left. + R_n(\xi+\Delta, \eta) + \Delta \frac{Q(\xi+\Delta, \eta) + Q(\xi+\Delta, \eta+\Delta)}{2} \right] \quad (29) \end{aligned}$$

and, of course, equation (24) is valid at every point. These equations can be solved algebraically to give the computing scheme:

$$G \equiv Q(\xi, \eta+\Delta) - P(\xi+\Delta, \eta) + \Delta \frac{S(\xi, \eta+\Delta) - S(\xi+\Delta, \eta)}{2}$$

$$A \equiv P(\xi, \eta+\Delta) + P(\xi+\Delta, \eta) + Q(\xi, \eta+\Delta) + Q(\xi+\Delta, \eta)$$

$$B \equiv S(\xi, \eta+\Delta) + S(\xi+\Delta, \eta) + \frac{G}{r\sqrt{2}}$$

$$C \equiv 2 + \left(\frac{n\Delta}{2r} \right)^2$$

$$R_n(\xi+\Delta, \eta+\Delta) = \frac{1}{C} \left[R_n(\xi, \eta+\Delta) + R_n(\xi+\Delta, \eta) + \frac{\Delta}{2} \left(A + \frac{B\Delta}{2} \right) \right]$$

$$S(\xi+\Delta, \eta+\Delta) = - \frac{n^2 R_n(\xi+\Delta, \eta+\Delta)}{2r^2} + \frac{G}{2r\sqrt{2}}$$

$$Q(\xi+\Delta, \eta+\Delta) = Q(\xi, \eta+\Delta) + \Delta \frac{S(\xi, \eta+\Delta) + S(\xi+\Delta, \eta+\Delta)}{2}$$

$$P(\xi+\Delta, \eta+\Delta) = Q(\xi+\Delta, \eta+\Delta) - G$$

where, throughout, $r = r(\xi+\Delta, \eta+\Delta)$. These equations are used whenever $r > 1$. When $r = 1$, the boundary condition (26) must be used, and the computing scheme is obtained by using (26) instead of (27) and

$$R_n(\xi+\Delta, \eta+\Delta) = R_n(\xi, \eta+\Delta) + \Delta \frac{P(\xi, \eta+\Delta) + P(\xi+\Delta, \eta+\Delta)}{2} \quad (30)$$

instead of (29). The resulting scheme is

$$D \equiv P(\xi, \eta+\Delta) + Q(\xi, \eta+\Delta) + \frac{1}{2} \Delta S(\xi, \eta+\Delta)$$

$$R_n(\xi+\Delta, \eta+\Delta) = \frac{R_n(\xi, \eta+\Delta) + \frac{1}{2} D \Delta}{1 + \frac{1}{2} \left(\frac{n\Delta}{2} \right)^2}$$

$$S(\xi+\Delta, \eta+\Delta) = - \frac{1}{2} n^2 R_n(\xi+\Delta, \eta+\Delta)$$

$$P(\xi+\Delta, \eta+\Delta) = Q(\xi+\Delta, \eta+\Delta)$$

$$= Q(\xi, \eta+\Delta) + \Delta \frac{S(\xi, \eta+\Delta) + S(\xi+\Delta, \eta+\Delta)}{2}$$

The calculations were carried out successively along characteristic rays $x = \text{constant}$, using the second scheme to start at $r = 1$ and then the first scheme for successive points. Values of P, Q, S, R_n for the

first ray (taken at $x = 1$) were obtained from power series expansions similar to those described earlier for W_n . Finally, W_n was computed by means of the equation

$$W_n = - \frac{P+Q}{\sqrt{2}}$$

The calculations were started at $x = 1$ rather than at $x = 0$ in order to avoid the region in which the rates of change are greatest. At the same time, since power series had previously been used for $0 \leq x \leq 1.5$, the overlap gave a valuable check. No instabilities whatever occurred with this method. Furthermore, the results were in complete agreement with those of the other methods, so that all the tabulated values are believed to be in error by less than one unit in the last digit printed. As was implied earlier, these calculations were performed on an IBM Type 704 Electronic Data Processing Machine.

Ames Research Center

National Aeronautics and Space Administration

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APPENDIX A

CALCULATION OF LEGENDRE FUNCTIONS

In the integral equation method certain Legendre functions occur. The purpose of this appendix is to give the details of their calculation. Specifically, the problem is to compute

$$F_n(x) = \frac{dP_n - \frac{1}{2}(x+1)}{dx}$$

for integral values of n and positive values of x . The number of cases can be reduced to two by using the recurrence relations (ref. 8, pp. 308-309):

$$z \frac{dP_k(z)}{dz} - \frac{dP_{k-1}(z)}{dz} = kP_k(z)$$

$$\frac{dP_{k+1}(z)}{dz} - \frac{dP_{k-1}(z)}{dz} = (2k+1)P_k(z)$$

Eliminating P_k , setting $z = x+1$, and introducing F_n gives the desired recurrence relation

$$F_{n+1}(x) = \frac{1}{n - \frac{1}{2}} \left[2n(x+1)F_n(x) - \left(n + \frac{1}{2}\right) F_{n-1}(x) \right] \quad (31)$$

Thus, if $F_n(x)$ can be computed for $n = -1, 0$, the higher order functions present no difficulty. Furthermore, again from reference 8, page 312

$$P_{-3/2} = P_{1/2}$$

so that $F_{-1} = F_1$ and it is sufficient to be able to compute F_0 and F_1 . For $0 \leq x \leq 1$ the Maclaurin's series is convenient (ref. 8, p. 312):

$$F_n(x) = \sum_{j=0}^{\infty} p_{n,j} x^j \quad (32)$$

where

$$p_{n,j} = \frac{\Gamma\left(n + j + \frac{3}{2}\right)}{2^{j+1} j! (j+1)! \Gamma\left(n - j - \frac{1}{2}\right)}$$

The $p_{n,j}$ is easily computed by recurrence:

$$p_{n,0} = \frac{4n^2 - 1}{8}$$

$$p_{n,j+1} = p_{n,j} \frac{\left(n + j + \frac{3}{2}\right) \left(n - j - \frac{3}{2}\right)}{2(j+1)(j+2)}, \quad j = 0, 1, 2, \dots$$

For $x > 1$, F_0 and F_1 can be expressed as elliptic integrals by starting with Laplace's integral for the Legendre function (ref. 8, p. 313)

$$P_{n-\frac{1}{2}}(x+1) = \frac{1}{\pi} \int_0^{\pi} (1 + x + \sqrt{x^2 + 2x} \cos \varphi)^{n-\frac{1}{2}} d\varphi \quad (33)$$

Define the complementary modulus, k' , by

$$k' = x + 1 - \sqrt{x^2 + 2x} = \frac{1}{x + 1 + \sqrt{x^2 + 2x}} \quad (34)$$

and the modulus, k , by

$$k^2 = 1 - k'^2 = \frac{2\sqrt{x^2 + 2x}}{1 + x + \sqrt{x^2 + 2x}}$$

Then (33) can be transformed into

$$P_{n - \frac{1}{2}}(x+1) = \frac{2}{\pi} (k')^{\frac{1}{2} - n} \int_0^{\frac{\pi}{2}} (1 - k^2 \sin^2 \theta)^{n - \frac{1}{2}} d\theta$$

so that

$$\left. \begin{aligned} P_{-1/2}(x+1) &= \frac{2\sqrt{k'}}{\pi} K(k) \\ P_{1/2}(x+1) &= \frac{2}{\pi\sqrt{k'}} E(k) \end{aligned} \right\} \quad (35)$$

Since now

$$x > 1, \quad k' < \frac{1}{2 + \sqrt{3}} < 0.27$$

and K and E are readily computed by means of the usual series in powers of k' (ref. 9).

Finally, by reference 8, page 309,

$$\left. \begin{aligned} F_0(x) &= \frac{P_{1/2}(x+1) - (x+1)P_{-1/2}(x+1)}{2x(x+2)} \\ F_1(x) &= \frac{(x+1)P_{1/2}(x+1) - P_{-1/2}(x+1)}{2x(x+2)} \end{aligned} \right\} \quad (36)$$

APPENDIX B

FORMULATION OF THE BOUNDARY-VALUE PROBLEM

In the sections on finite differences and the method of characteristics it was asserted that the functions $W_n(x,r)$ and $R_n(x,r)$ are solutions of the following boundary-value problem:

$$\frac{\partial^2 \Psi(z,r)}{\partial r^2} + \frac{1}{r} \frac{\partial \Psi(z,r)}{\partial r} - \frac{\partial^2 \Psi(z,r)}{\partial z^2} - \frac{n^2}{r^2} \Psi(z,r) = 0$$

$$\frac{\partial \Psi(z,r)}{\partial r} = 0 \quad \text{at } r = 1$$

$$\left. \begin{aligned} \Psi = \Psi_0 &= \frac{1}{8\sqrt{r}} \left(4n^2 + 3 + \frac{1-4n^2}{r} \right) \text{ for } \Psi = W_n \\ \Psi = \Psi_0 &= \frac{1}{\sqrt{r}} \text{ for } \Psi = R_n \end{aligned} \right\} \text{ at } x = 0 \quad (37)$$

The purpose of this appendix is to prove these assertions, by showing that $L\{\Psi\}$ is given by equation (1) or (2), respectively. Since

$z = x + r - 1$, it is first necessary to transform from (z,r) to (x,r) , by means of the transformation equations

$$\frac{\partial \Psi}{\partial z} = \frac{\partial \Psi}{\partial x}, \quad \frac{\partial^2 \Psi}{\partial z^2} = \frac{\partial^2 \Psi}{\partial x^2}$$

$$\frac{\partial \Psi(z,r)}{\partial r} = \frac{\partial \Psi(x,r)}{\partial r} - \frac{\partial \Psi(x,r)}{\partial x}$$

$$\frac{\partial^2 \Psi(z,r)}{\partial r^2} = \frac{\partial^2 \Psi(x,r)}{\partial r^2} - 2 \frac{\partial^2 \Psi(x,r)}{\partial x \partial r} + \frac{\partial^2 \Psi(x,r)}{\partial x^2}$$

The resulting boundary-value problem is

$$\frac{\partial^2 \Psi(x,r)}{\partial r^2} - 2 \frac{\partial^2 \Psi(x,r)}{\partial x \partial r} + \frac{1}{r} \left[\frac{\partial \Psi(x,r)}{\partial r} - \frac{\partial \Psi(x,r)}{\partial x} \right] - \frac{n^2}{r^2} \Psi(x,r) = 0$$

$$\frac{\partial \Psi(x,r)}{\partial x} = \frac{\partial \Psi(x,r)}{\partial r} \quad \text{at } r = 1$$

and the other boundary condition is still given by equation (37).

Taking Laplace transforms with respect to x , with

$$\Psi(p,r) = L\{\Psi(x,r)\}$$

gives the problem

$$\frac{d^2 \psi}{dr^2} + \left(\frac{1}{r} - 2p \right) \frac{d\psi}{dr} - \left(\frac{p}{r} + \frac{n^2}{r^2} \right) \psi = \frac{-\Psi_0}{r} - 2 \frac{d\Psi_0}{dr} \equiv \beta \quad (38)$$

with the boundary condition

$$\frac{d\psi}{dr} = p\psi - \Psi_0 \quad \text{at } r = 1 \quad (39)$$

Note that

$$\beta = 0 \quad \text{for } \Psi = R_n(x,r)$$

$$\beta = \frac{1 - 4n^2}{4r^{5/2}} \quad \text{for } \Psi = W_n(x,r)$$

Define ψ^* by

$$\psi^* = \psi - \frac{1}{\sqrt{r}} \quad \text{if } \Psi = W_n$$

$$\psi^* = \psi \quad \text{if } \Psi = R_n$$

Then equation (38) becomes

$$\frac{d^2 \psi^*}{dr^2} + \left(\frac{1}{r} - 2p \right) \frac{d\psi^*}{dr} - \left(\frac{p}{r} + \frac{n^2}{r^2} \right) \psi^* = 0 \quad (40)$$

and (39) becomes

$$\frac{d\psi^*}{dr} = p(\psi^* + 1) \quad \text{if } \Psi = W_n, \quad r = 1 \quad (41)$$

$$\frac{d\psi^*}{dr} = p\psi^* - 1 \quad \text{if } \Psi = R_n, \quad r = 1 \quad (42)$$

Finally, the transformations

$$\rho = pr$$

$$\psi^* = e^{\rho} \alpha(\rho)$$

reduce the problem to

$$\frac{d^2 \alpha}{d\rho^2} + \frac{1}{\rho} \frac{d\alpha}{d\rho} - \left(1 + \frac{n^2}{\rho^2} \right) \alpha = 0 \quad (43)$$

$$\left. \begin{aligned} \frac{d\alpha}{d\rho} &= e^{-p} & \text{if } \Psi &= W_n, & \rho &= p \\ \frac{d\alpha}{d\rho} &= \frac{-e^{-p}}{p} & \text{if } \Psi &= R_n, & \rho &= p \end{aligned} \right\} \quad (44)$$

But (43) is precisely the modified Bessel equation (ref. 6, p. 77) giving immediately

$$\alpha = \frac{K_n(\rho)}{e^{p_{K_n}'(p)}} \quad \text{if } \Psi = W_n$$

and

$$\alpha = - \frac{K_n(\rho)}{pe^{p_{K_n}'(p)}} \quad \text{if } \Psi = R_n$$

and these immediately yield equations (1) and (2).

APPENDIX C

FINITE-DIFFERENCE APPROXIMATION

The purpose of this appendix is to derive equation (23), the finite-difference approximation to equation (19), which is repeated here for convenience (dropping the subscript n):

$$\frac{\partial^2 W}{\partial r^2} + \frac{1}{r} \frac{\partial W}{\partial r} - \frac{\partial^2 W}{\partial z^2} - \frac{n^2}{r^2} W = 0 \quad (19)$$

This can be rearranged as follows

$$\frac{\partial^2 W}{\partial z^2} + \frac{n^2}{r^2} W = F(z, r) \equiv \frac{\partial^2 W}{\partial r^2} + \frac{1}{r} \frac{\partial W}{\partial r}$$

Considered as an ordinary equation in z , the general solution is

$$W = A \cos \frac{n(z-z_0)}{r} + B \sin \frac{n(z-z_0)}{r} + \frac{r}{n} \int_{z_0}^z F(\zeta, r) \sin \frac{n(z-\zeta)}{r} d\zeta$$

where z_0 is an arbitrary value of z and A, B are constants of integration. Setting z equal successively to $z_0 - \Delta$, z_0 , $z_0 + \Delta$ and eliminating A and B gives (dropping subscript o), with $\varphi = n\Delta/r$:

$$\begin{aligned} W(z+\Delta, r) &= 2W(z, r) \cos \varphi - W(z-\Delta, r) + \frac{r}{n} \int_z^{z+\Delta} F(\zeta, r) \sin \frac{n(z+\Delta-\zeta)}{r} d\zeta \\ &\quad + \frac{r}{n} \int_z^{z-\Delta} F(\zeta, r) \sin \frac{n(z-\Delta-\zeta)}{r} d\zeta \end{aligned}$$

Now make the approximating assumption that $F(\zeta, r) = F(z, r)$. In the first integral, set $y = z + \Delta - \zeta$; in the second integral, set $y = z - \Delta - \zeta$. Performing the integrations gives

$$W(z+\Delta, r) = 2W(z, r) \cos \varphi - W(z-\Delta, r) + 2 \left(\frac{r}{n} \right)^2 F(z, r) (1 - \cos \varphi)$$

but

$$F(z, r) = \frac{\partial^2 W(z, r)}{\partial r^2} + \frac{1}{r} \frac{\partial W(z, r)}{\partial r}$$

Using parabolic approximation in the r direction, analogous to equation (22), and expanding $\cos \varphi$ in a Maclaurin's series gives (23) immediately.

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$$R_0(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.990075	.944213	.885991	.809064	.700962
.04	.980296	.935097	.877674	.801734	.694899
.06	.970662	.926112	.869474	.794505	.688919
.08	.961169	.917257	.861389	.787375	.683018
.10	.951814	.908528	.853417	.780342	.677196
.12	.942596	.899924	.845556	.773405	.671451
.14	.933511	.891441	.837804	.766561	.665782
.16	.924557	.883078	.830159	.759809	.660187
.18	.915731	.874833	.822618	.753148	.654666
.20	.907031	.866703	.815181	.746576	.649217
.22	.898454	.858686	.807845	.740091	.643838
.24	.889999	.850780	.800608	.733691	.638528
.26	.881663	.842983	.793469	.727376	.633287
.28	.873443	.835293	.786426	.721144	.628113
.30	.865338	.827708	.779477	.714993	.623005
.32	.857346	.820227	.772621	.708923	.617962
.34	.849464	.812847	.765856	.702931	.612983
.36	.841691	.805567	.759180	.697016	.608066
.38	.834024	.798385	.752592	.691177	.603211
.40	.826462	.791299	.746091	.685413	.598417
.42	.819003	.784307	.739674	.679722	.593682
.44	.811645	.777409	.733341	.674104	.589006
.46	.804386	.770602	.727089	.668557	.584387
.48	.797224	.763884	.720919	.663079	.579826
.50	.790158	.757255	.714828	.657670	.575320
.52	.783186	.750712	.708815	.652329	.570869
.54	.776307	.744255	.702878	.647055	.566472
.56	.769519	.737881	.697017	.641846	.562128
.58	.762820	.731590	.691230	.636701	.557837
.60	.756209	.725380	.685516	.631620	.553597
.62	.749684	.719249	.679874	.626601	.549408
.64	.743244	.713197	.674303	.621643	.545269
.66	.736887	.707222	.668801	.616746	.541179
.68	.730612	.701322	.663367	.611908	.537138
.70	.724418	.695497	.658000	.607129	.533143
.72	.718304	.689745	.652700	.602407	.529196
.74	.712267	.684066	.647465	.597742	.525295
.76	.706307	.678457	.642294	.593133	.521440
.78	.700422	.672919	.637186	.588578	.517629
.80	.694612	.667449	.632140	.584078	.513862
.82	.688875	.662046	.627156	.579631	.510139
.84	.683209	.656710	.622231	.575236	.506458
.86	.677615	.651440	.617366	.570893	.502820
.88	.672089	.646234	.612559	.566601	.499223
.90	.666633	.641091	.607809	.562359	.495667
.92	.661243	.636011	.603116	.558166	.492151
.94	.655920	.630992	.598478	.554021	.488675
.96	.650662	.626034	.593896	.549925	.485238
.98	.645468	.621135	.589367	.545876	.481839
1.00	.640337	.616295	.584891	.541873	.478478
1.02	.635269	.611512	.580468	.537916	.475155
1.04	.630262	.606787	.576096	.534004	.471869
1.06	.625314	.602117	.571776	.530136	.468619
1.08	.620427	.597502	.567505	.526312	.465404
1.10	.615598	.592942	.563283	.522531	.462225
1.12	.610826	.588435	.559110	.518793	.459081
1.14	.606111	.583981	.554985	.515096	.455971
1.16	.601451	.579579	.550907	.511441	.452895
1.18	.596847	.575228	.546875	.507826	.449852
1.20	.592297	.570927	.542889	.504252	.446841
1.22	.587799	.566676	.538948	.500717	.443864
1.24	.583355	.562473	.535052	.497221	.440918
1.26	.578962	.558319	.531200	.493763	.438003
1.28	.574620	.554212	.527390	.490343	.435120
1.30	.570328	.550152	.523623	.486961	.432267
1.32	.566086	.546138	.519898	.483615	.429445
1.34	.561892	.542169	.516214	.480306	.426652
1.36	.557746	.538245	.512571	.477032	.423888
1.38	.553648	.534365	.508969	.473794	.421154
1.40	.549596	.530528	.505405	.470590	.418448
1.42	.545590	.526734	.501881	.467420	.415770
1.44	.541629	.522983	.498395	.464285	.413120
1.46	.537713	.519273	.494948	.461183	.410497
1.48	.533840	.515604	.491537	.458113	.407901

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.572571	.495965	.405038	.350810	.313794
.04	.567856	.491983	.401871	.348103	.311392
.06	.563203	.488055	.398745	.345432	.309023
.08	.558612	.484178	.395662	.342797	.306685
.10	.554082	.480352	.392618	.340197	.304377
.12	.549610	.476576	.389615	.337630	.302101
.14	.545197	.472849	.386650	.335097	.299854
.16	.540841	.469171	.383725	.332598	.297636
.18	.536541	.465539	.380836	.330130	.295447
.20	.532297	.461955	.377985	.327694	.293287
.22	.528107	.458416	.375171	.325290	.291154
.24	.523970	.454922	.372392	.322916	.289048
.26	.519886	.451472	.369649	.320572	.286970
.28	.515853	.448066	.366940	.318258	.284917
.30	.511871	.444703	.364265	.315973	.282891
.32	.507939	.441381	.361623	.313717	.280889
.34	.504055	.438101	.359015	.311489	.278913
.36	.500220	.434861	.356438	.309288	.276962
.38	.496432	.431661	.353894	.307115	.275034
.40	.492691	.428500	.351380	.304968	.273131
.42	.488996	.425378	.348898	.302848	.271250
.44	.485345	.422294	.346445	.300753	.269393
.46	.481739	.419248	.344023	.298684	.267558
.48	.478177	.416237	.341629	.296640	.265746
.50	.474657	.413264	.339264	.294621	.263955
.52	.471180	.410325	.336928	.292625	.262186
.54	.467744	.407422	.334619	.290654	.260438
.56	.464349	.404553	.332338	.288706	.258711
.58	.460995	.401718	.330084	.286781	.257004
.60	.457679	.398916	.327856	.284879	.255317
.62	.454403	.396147	.325654	.282999	.253650
.64	.451166	.393410	.323478	.281141	.252003
.66	.447966	.390705	.321327	.279304	.250375
.68	.444803	.388031	.319201	.277489	.248766
.70	.441676	.385388	.317100	.275695	.247175
.72	.438586	.382776	.315022	.273921	.245603
.74	.435531	.380193	.312969	.272168	.244049
.76	.432512	.377640	.310938	.270435	.242512
.78	.429526	.375116	.308931	.268721	.240993
.80	.426575	.372620	.306946	.267027	.239491
.82	.423657	.370152	.304984	.265352	.238007
.84	.420771	.367712	.303044	.263695	.236538
.86	.417918	.365299	.301125	.262057	.235087
.88	.415097	.362913	.299228	.260438	.233651
.90	.412308	.360553	.297351	.258836	.232232
.92	.409549	.358220	.295496	.257252	.230828
.94	.406821	.355912	.293660	.255685	.229439
.96	.404123	.353629	.291845	.254136	.228066
.98	.401455	.351371	.290050	.252604	.226708
1.00	.398815	.349138	.288274	.251088	.225364
1.02	.396205	.346929	.286517	.249588	.224036
1.04	.393623	.344744	.284779	.248105	.222721
1.06	.391069	.342583	.283060	.246638	.221421
1.08	.388542	.340444	.281359	.245186	.220134
1.10	.386042	.338328	.279677	.243750	.218862
1.12	.383570	.336235	.278012	.242329	.217603
1.14	.381123	.334164	.276365	.240923	.216357
1.16	.378703	.332115	.274735	.239532	.215124
1.18	.376308	.330088	.273122	.238156	.213905
1.20	.373939	.328081	.271526	.236794	.212698
1.22	.371594	.326096	.269947	.235446	.211504
1.24	.369274	.324131	.268384	.234113	.210322
1.26	.366978	.322187	.266837	.232793	.209153
1.28	.364706	.320263	.265307	.231486	.207995
1.30	.362458	.318358	.263792	.230193	.206850
1.32	.360233	.316474	.262292	.228914	.205716
1.34	.358031	.314608	.260808	.227647	.204594
1.36	.355851	.312761	.259339	.226394	.203483
1.38	.353694	.310934	.257884	.225153	.202383
1.40	.351559	.309124	.256445	.223924	.201295
1.42	.349445	.307333	.255020	.222708	.200218
1.44	.347353	.305560	.253609	.221504	.199151
1.46	.345282	.303805	.252212	.220312	.198095
1.48	.343232	.302067	.250829	.219132	.197050

$$R_0(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
1.50	.530011	.511975	.488164	.455076	.405332
1.52	.5262	.5084	.4848	.4521	.4028
1.54	.5225	.5048	.4815	.4491	.4003
1.56	.5188	.5013	.4783	.4462	.3978
1.58	.5151	.4979	.4750	.4432	.3953
1.60	.5115	.4944	.4718	.4404	.3929
1.62	.5079	.4910	.4687	.4375	.3905
1.64	.5044	.4877	.4655	.4347	.3881
1.66	.5009	.4845	.4624	.4319	.3857
1.68	.4974	.4810	.4594	.4291	.3834
1.70	.4940	.4778	.4563	.4264	.3810
1.72	.4906	.4746	.4533	.4237	.3787
1.74	.4872	.4714	.4504	.4210	.3765
1.76	.4839	.4682	.4474	.4184	.3742
1.78	.4806	.4651	.4445	.4157	.3720
1.80	.4774	.4620	.4417	.4131	.3698
1.82	.4742	.4590	.4388	.4106	.3676
1.84	.4710	.4560	.4360	.4080	.3654
1.86	.4678	.4530	.4332	.4055	.3633
1.88	.4647	.4500	.4304	.4030	.3611
1.90	.4616	.4471	.4277	.4005	.3590
1.92	.4586	.4442	.4250	.3981	.3570
1.94	.4556	.4413	.4223	.3956	.3549
1.96	.4526	.4385	.4197	.3932	.3529
1.98	.4496	.4357	.4170	.3909	.3508
2.00	.4467	.4329	.4144	.3885	.3488
2.02	.4438	.4301	.4119	.3862	.3468
2.04	.4410	.4274	.4093	.3839	.3449
2.06	.4381	.4247	.4068	.3816	.3429
2.08	.4353	.4220	.4043	.3793	.3410
2.10	.4325	.4194	.4018	.3771	.3391
2.12	.4298	.4168	.3994	.3749	.3372
2.14	.4271	.4142	.3970	.3727	.3353
2.16	.4244	.4116	.3946	.3705	.3334
2.18	.4217	.4091	.3922	.3683	.3316
2.20	.4191	.4066	.3898	.3662	.3298
2.22	.4165	.4041	.3875	.3641	.3280
2.24	.4139	.4016	.3852	.3620	.3262
2.26	.4113	.3992	.3829	.3599	.3244
2.28	.4088	.3967	.3806	.3579	.3226
2.30	.4063	.3944	.3784	.3558	.3209
2.32	.4038	.3920	.3762	.3538	.3192
2.34	.4013	.3896	.3740	.3518	.3175
2.36	.3989	.3873	.3718	.3498	.3158
2.38	.3965	.3850	.3697	.3479	.3141
2.40	.3941	.3827	.3675	.3459	.3124
2.42	.3917	.3805	.3654	.3440	.3108
2.44	.3894	.3782	.3633	.3421	.3091
2.46	.3870	.3760	.3612	.3402	.3075
2.48	.3847	.3738	.3592	.3383	.3059
2.50	.3825	.3717	.3571	.3365	.3043
2.52	.3802	.3695	.3551	.3346	.3027
2.54	.3780	.3674	.3531	.3328	.3012
2.56	.3758	.3653	.3511	.3310	.2996
2.58	.3736	.3632	.3492	.3292	.2981
2.60	.3714	.3611	.3472	.3274	.2966
2.62	.3693	.3590	.3453	.3257	.2950
2.64	.3671	.3570	.3434	.3239	.2936
2.66	.3650	.3550	.3415	.3222	.2921
2.68	.3629	.3530	.3396	.3205	.2906
2.70	.3609	.3510	.3377	.3188	.2891
2.72	.3588	.3491	.3359	.3171	.2877
2.74	.3568	.3471	.3341	.3155	.2863
2.76	.3548	.3452	.3323	.3138	.2848
2.78	.3528	.3433	.3305	.3122	.2834
2.80	.3508	.3414	.3287	.3105	.2820
2.82	.3488	.3395	.3269	.3089	.2806
2.84	.3469	.3377	.3252	.3073	.2793
2.86	.3450	.3358	.3235	.3058	.2779
2.88	.3431	.3340	.3217	.3042	.2765
2.90	.3412	.3322	.3200	.3026	.2752
2.92	.3393	.3304	.3184	.3011	.2739
2.94	.3375	.3286	.3167	.2996	.2726
2.96	.3356	.3269	.3150	.2981	.2713
2.98	.3338	.3251	.3134	.2966	.2700

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	.341203	.300346	.249460	.217964	.196015
1.52	.3392	.2986	.2481	.2168	.1950
1.54	.3372	.2970	.2468	.2157	.1940
1.56	.3352	.2953	.2454	.2145	.1930
1.58	.3333	.2936	.2441	.2134	.1920
1.60	.3314	.2920	.2428	.2123	.1910
1.62	.3294	.2904	.2415	.2112	.1900
1.64	.3275	.2888	.2402	.2101	.1891
1.66	.3257	.2872	.2390	.2090	.1881
1.68	.3238	.2856	.2377	.2079	.1873
1.70	.3220	.2840	.2365	.2069	.1862
1.72	.3202	.2825	.2353	.2058	.1853
1.74	.3184	.2810	.2340	.2048	.1844
1.76	.3166	.2795	.2328	.2038	.1834
1.78	.3148	.2780	.2316	.2028	.1825
1.80	.3130	.2765	.2304	.2017	.1816
1.82	.3113	.2750	.2293	.2007	.1808
1.84	.3096	.2735	.2281	.1997	.1799
1.86	.3079	.2721	.2270	.1988	.1790
1.88	.3062	.2707	.2258	.1978	.1782
1.90	.3045	.2692	.2247	.1968	.1773
1.92	.3029	.2678	.2236	.1959	.1765
1.94	.3012	.2664	.2225	.1949	.1756
1.96	.2996	.2651	.2214	.1940	.1748
1.98	.2980	.2637	.2203	.1931	.1740
2.00	.2964	.2623	.2192	.1921	.1731
2.02	.2948	.2610	.2181	.1912	.1723
2.04	.2933	.2597	.2171	.1903	.1715
2.06	.2917	.2583	.2160	.1894	.1707
2.08	.2902	.2570	.2150	.1885	.1700
2.10	.2887	.2557	.2139	.1877	.1692
2.12	.2872	.2545	.2129	.1868	.1684
2.14	.2857	.2532	.2119	.1859	.1676
2.16	.2842	.2519	.2109	.1851	.1669
2.18	.2827	.2507	.2099	.1842	.1661
2.20	.2813	.2494	.2089	.1834	.1654
2.22	.2798	.2482	.2079	.1825	.1646
2.24	.2784	.2470	.2070	.1817	.1639
2.26	.2770	.2458	.2060	.1809	.1632
2.28	.2756	.2446	.2051	.1801	.1625
2.30	.2742	.2434	.2041	.1793	.1618
2.32	.2728	.2423	.2032	.1785	.1610
2.34	.2714	.2411	.2023	.1777	.1603
2.36	.2701	.2399	.2013	.1769	.1596
2.38	.2687	.2388	.2004	.1761	.1590
2.40	.2674	.2377	.1995	.1754	.1583
2.42	.2661	.2365	.1986	.1746	.1576
2.44	.2648	.2354	.1977	.1738	.1569
2.46	.2635	.2343	.1969	.1731	.1563
2.48	.2622	.2332	.1960	.1723	.1556
2.50	.2609	.2321	.1951	.1716	.1549
2.52	.2597	.2311	.1943	.1709	.1543
2.54	.2584	.2300	.1934	.1701	.1537
2.56	.2572	.2289	.1926	.1694	.1530
2.58	.2559	.2279	.1917	.1687	.1524
2.60	.2547	.2268	.1909	.1680	.1518
2.62	.2535	.2258	.1901	.1673	.1511
2.64	.2523	.2248	.1892	.1666	.1505
2.66	.2511	.2238	.1884	.1659	.1499
2.68	.2499	.2228	.1876	.1652	.1493
2.70	.2487	.2218	.1868	.1645	.1487
2.72	.2476	.2208	.1860	.1638	.1481
2.74	.2464	.2198	.1853	.1632	.1475
2.76	.2453	.2188	.1845	.1625	.1469
2.78	.2442	.2178	.1837	.1619	.1463
2.80	.2430	.2169	.1829	.1612	.1457
2.82	.2419	.2159	.1822	.1605	.1452
2.84	.2408	.2150	.1814	.1599	.1446
2.86	.2397	.2141	.1807	.1593	.1440
2.88	.2386	.2131	.1799	.1586	.1435
2.90	.2376	.2122	.1792	.1580	.1429
2.92	.2365	.2113	.1785	.1574	.1424
2.94	.2354	.2104	.1777	.1568	.1418
2.96	.2344	.2095	.1770	.1561	.1413
2.98	.2333	.2086	.1763	.1555	.1407

$$R_0(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
3.00	.3320	.3234	.3118	.2951	.2687
3.02	.3302	.3217	.3102	.2936	.2674
3.04	.3284	.3200	.3086	.2921	.2661
3.06	.3267	.3183	.3070	.2907	.2649
3.08	.3249	.3167	.3054	.2892	.2636
3.10	.3232	.3150	.3038	.2878	.2624
3.12	.3215	.3134	.3023	.2864	.2612
3.14	.3198	.3117	.3008	.2850	.2600
3.16	.3181	.3101	.2993	.2836	.2588
3.18	.3165	.3085	.2978	.2822	.2576
3.20	.3148	.3070	.2963	.2809	.2564
3.22	.3132	.3054	.2948	.2795	.2552
3.24	.3116	.3038	.2933	.2782	.2540
3.26	.3100	.3023	.2919	.2768	.2529
3.28	.3084	.3008	.2904	.2755	.2517
3.30	.3068	.2992	.2890	.2742	.2506
3.32	.3052	.2977	.2876	.2729	.2495
3.34	.3037	.2963	.2862	.2716	.2483
3.36	.3021	.2948	.2848	.2703	.2472
3.38	.3006	.2933	.2834	.2690	.2461
3.40	.2991	.2919	.2820	.2678	.2450
3.42	.2976	.2904	.2807	.2665	.2439
3.44	.2961	.2890	.2793	.2653	.2429
3.46	.2946	.2876	.2780	.2641	.2418
3.48	.2932	.2862	.2766	.2628	.2407
3.50	.2917	.2848	.2753	.2616	.2397
3.52	.2903	.2834	.2740	.2604	.2386
3.54	.2888	.2820	.2727	.2592	.2376
3.56	.2874	.2807	.2714	.2580	.2366
3.58	.2860	.2793	.2702	.2569	.2356
3.60	.2846	.2780	.2689	.2557	.2345
3.62	.2832	.2767	.2676	.2546	.2335
3.64	.2819	.2753	.2664	.2534	.2325
3.66	.2805	.2740	.2652	.2523	.2315
3.68	.2792	.2727	.2639	.2511	.2306
3.70	.2778	.2715	.2627	.2500	.2296
3.72	.2765	.2702	.2615	.2489	.2286
3.74	.2752	.2689	.2603	.2478	.2277
3.76	.2739	.2677	.2591	.2467	.2267
3.78	.2726	.2664	.2580	.2456	.2258
3.80	.2713	.2652	.2568	.2446	.2248
3.82	.2701	.2640	.2556	.2435	.2239
3.84	.2688	.2628	.2545	.2424	.2230
3.86	.2675	.2616	.2533	.2414	.2220
3.88	.2663	.2604	.2522	.2403	.2211
3.90	.2651	.2592	.2511	.2393	.2202
3.92	.2638	.2580	.2500	.2383	.2193
3.94	.2626	.2568	.2489	.2373	.2184
3.96	.2614	.2557	.2478	.2362	.2175
3.98	.2602	.2545	.2467	.2352	.2167
4.00	.2591	.2534	.2456	.2342	.2158
4.02	.2579	.2523	.2445	.2332	.2149
4.04	.2567	.2511	.2435	.2323	.2141
4.06	.2556	.2500	.2424	.2313	.2132
4.08	.2544	.2489	.2414	.2303	.2124
4.10	.2533	.2478	.2403	.2294	.2115
4.12	.2521	.2467	.2393	.2284	.2107
4.14	.2510	.2457	.2383	.2275	.2099
4.16	.2499	.2446	.2373	.2265	.2090
4.18	.2488	.2435	.2362	.2256	.2082
4.20	.2477	.2425	.2352	.2247	.2074
4.22	.2466	.2414	.2342	.2237	.2066
4.24	.2455	.2404	.2333	.2228	.2058
4.26	.2445	.2393	.2323	.2219	.2050
4.28	.2434	.2383	.2313	.2210	.2042
4.30	.2424	.2373	.2303	.2201	.2034
4.32	.2413	.2363	.2294	.2192	.2026
4.34	.2403	.2353	.2284	.2184	.2019
4.36	.2392	.2343	.2275	.2175	.2011
4.38	.2382	.2333	.2266	.2166	.2003
4.40	.2372	.2323	.2256	.2157	.1996
4.42	.2362	.2314	.2247	.2149	.1988
4.44	.2352	.2304	.2238	.2140	.1981
4.46	.2342	.2294	.2229	.2132	.1973
4.48	.2332	.2285	.2220	.2124	.1966

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.2323	.2077	.1756	.1549	.1402
3.02	.2313	.2068	.1749	.1543	.1397
3.04	.2302	.2060	.1742	.1537	.1391
3.06	.2292	.2051	.1735	.1532	.1386
3.08	.2282	.2042	.1728	.1526	.1381
3.10	.2272	.2034	.1722	.1520	.1376
3.12	.2262	.2025	.1715	.1514	.1371
3.14	.2253	.2017	.1708	.1508	.1366
3.16	.2243	.2009	.1701	.1503	.1361
3.18	.2233	.2001	.1695	.1497	.1356
3.20	.2224	.1992	.1688	.1491	.1351
3.22	.2214	.1984	.1682	.1486	.1346
3.24	.2205	.1976	.1675	.1480	.1341
3.26	.2195	.1968	.1669	.1475	.1336
3.28	.2186	.1960	.1663	.1469	.1331
3.30	.2177	.1952	.1656	.1464	.1327
3.32	.2168	.1944	.1650	.1459	.1322
3.34	.2159	.1937	.1644	.1453	.1317
3.36	.2150	.1929	.1638	.1448	.1312
3.38	.2141	.1921	.1631	.1443	.1308
3.40	.2132	.1914	.1625	.1438	.1303
3.42	.2123	.1906	.1619	.1432	.1299
3.44	.2114	.1899	.1613	.1427	.1294
3.46	.2106	.1891	.1607	.1422	.1290
3.48	.2097	.1884	.1601	.1417	.1285
3.50	.2089	.1877	.1596	.1412	.1281
3.52	.2080	.1869	.1590	.1407	.1276
3.54	.2072	.1862	.1584	.1402	.1272
3.56	.2063	.1855	.1578	.1397	.1268
3.58	.2055	.1848	.1573	.1393	.1263
3.60	.2047	.1841	.1567	.1388	.1259
3.62	.2039	.1834	.1561	.1383	.1255
3.64	.2031	.1827	.1556	.1378	.1250
3.66	.2022	.1820	.1550	.1373	.1246
3.68	.2014	.1813	.1545	.1369	.1242
3.70	.2007	.1806	.1539	.1364	.1238
3.72	.1999	.1800	.1534	.1359	.1234
3.74	.1991	.1793	.1528	.1355	.1230
3.76	.1983	.1786	.1523	.1350	.1226
3.78	.1975	.1780	.1518	.1346	.1222
3.80	.1968	.1773	.1512	.1341	.1218
3.82	.1960	.1766	.1507	.1337	.1214
3.84	.1953	.1760	.1502	.1332	.1210
3.86	.1945	.1754	.1497	.1328	.1206
3.88	.1938	.1747	.1492	.1323	.1202
3.90	.1930	.1741	.1487	.1319	.1198
3.92	.1923	.1734	.1482	.1315	.1194
3.94	.1916	.1728	.1477	.1310	.1191
3.96	.1908	.1722	.1472	.1306	.1187
3.98	.1901	.1716	.1467	.1302	.1183
4.00	.1894	.1710	.1462	.1298	.1179
4.02	.1887	.1704	.1457	.1294	.1176
4.04	.1880	.1698	.1452	.1289	.1172
4.06	.1873	.1692	.1447	.1285	.1168
4.08	.1866	.1686	.1442	.1281	.1165
4.10	.1859	.1680	.1438	.1277	.1161
4.12	.1852	.1674	.1433	.1273	.1157
4.14	.1846	.1668	.1428	.1269	.1154
4.16	.1839	.1662	.1423	.1265	.1150
4.18	.1832	.1656	.1419	.1261	.1147
4.20	.1825	.1651	.1414	.1257	.1143
4.22	.1819	.1645	.1410	.1253	.1140
4.24	.1812	.1639	.1405	.1249	.1136
4.26	.1806	.1634	.1401	.1245	.1133
4.28	.1799	.1628	.1396	.1242	.1130
4.30	.1793	.1623	.1392	.1238	.1126
4.32	.1786	.1617	.1387	.1234	.1123
4.34	.1780	.1612	.1383	.1230	.1119
4.36	.1774	.1606	.1378	.1227	.1116
4.38	.1768	.1601	.1374	.1223	.1113
4.40	.1761	.1595	.1370	.1219	.1110
4.42	.1755	.1590	.1365	.1215	.1106
4.44	.1749	.1585	.1361	.1212	.1103
4.46	.1743	.1580	.1357	.1208	.1100
4.48	.1737	.1574	.1353	.1205	.1097

$$R_0(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
4.50	.2322	.2275	.2211	.2115	.1959
4.52	.2313	.2266	.2202	.2107	.1951
4.54	.2303	.2257	.2193	.2099	.1944
4.56	.2293	.2248	.2184	.2091	.1937
4.58	.2284	.2238	.2175	.2083	.1930
4.60	.2275	.2229	.2167	.2074	.1923
4.62	.2265	.2220	.2158	.2067	.1916
4.64	.2256	.2211	.2150	.2059	.1909
4.66	.2247	.2202	.2141	.2051	.1902
4.68	.2238	.2194	.2133	.2043	.1895
4.70	.2228	.2185	.2124	.2035	.1888
4.72	.2219	.2176	.2116	.2027	.1881
4.74	.2210	.2167	.2108	.2020	.1875
4.76	.2202	.2159	.2100	.2012	.1868
4.78	.2193	.2150	.2092	.2005	.1861
4.80	.2184	.2142	.2083	.1997	.1854
4.82	.2175	.2133	.2075	.1990	.1848
4.84	.2167	.2125	.2067	.1982	.1841
4.86	.2158	.2117	.2060	.1975	.1835
4.88	.2149	.2108	.2052	.1968	.1828
4.90	.2141	.2100	.2044	.1960	.1822
4.92	.2133	.2092	.2036	.1953	.1816
4.94	.2124	.2084	.2028	.1946	.1809
4.96	.2116	.2076	.2021	.1939	.1803
4.98	.2108	.2068	.2013	.1932	.1797
5.00	.2100	.2060	.2006	.1925	.1790
5.02	.2091	.2052	.1998	.1918	.1784
5.04	.2083	.2045	.1991	.1911	.1778
5.06	.2075	.2037	.1983	.1904	.1772
5.08	.2067	.2029	.1976	.1897	.1766
5.10	.2060	.2021	.1969	.1890	.1760
5.12	.2052	.2014	.1962	.1884	.1754
5.14	.2044	.2006	.1954	.1877	.1748
5.16	.2036	.1999	.1947	.1870	.1742
5.18	.2028	.1991	.1940	.1864	.1736
5.20	.2021	.1984	.1933	.1857	.1730
5.22	.2013	.1977	.1926	.1851	.1725
5.24	.2006	.1969	.1919	.1844	.1719
5.26	.1998	.1962	.1912	.1838	.1713
5.28	.1991	.1955	.1905	.1831	.1708
5.30	.1983	.1948	.1898	.1825	.1702
5.32	.1976	.1941	.1892	.1819	.1696
5.34	.1969	.1934	.1885	.1812	.1691
5.36	.1962	.1927	.1878	.1806	.1685
5.38	.1954	.1920	.1872	.1800	.1680
5.40	.1947	.1913	.1865	.1794	.1674
5.42	.1940	.1906	.1858	.1788	.1669
5.44	.1933	.1899	.1852	.1781	.1663
5.46	.1926	.1892	.1845	.1775	.1658
5.48	.1919	.1886	.1839	.1769	.1653
5.50	.1912	.1879	.1833	.1763	.1647
5.52	.1905	.1872	.1826	.1757	.1642
5.54	.1899	.1866	.1820	.1752	.1637
5.56	.1892	.1859	.1814	.1746	.1631
5.58	.1885	.1853	.1807	.1740	.1626
5.60	.1878	.1846	.1801	.1734	.1621
5.62	.1872	.1840	.1795	.1728	.1616
5.64	.1865	.1833	.1789	.1723	.1611
5.66	.1859	.1827	.1783	.1717	.1606
5.68	.1852	.1821	.1777	.1711	.1601
5.70	.1846	.1814	.1771	.1706	.1596
5.72	.1839	.1808	.1765	.1700	.1591
5.74	.1833	.1802	.1759	.1694	.1586
5.76	.1826	.1796	.1753	.1689	.1581
5.78	.1820	.1790	.1747	.1683	.1576
5.80	.1814	.1784	.1741	.1678	.1571
5.82	.1808	.1777	.1736	.1673	.1566
5.84	.1801	.1771	.1730	.1667	.1562
5.86	.1795	.1766	.1724	.1662	.1557
5.88	.1789	.1760	.1718	.1657	.1552
5.90	.1783	.1754	.1713	.1651	.1547
5.92	.1777	.1748	.1707	.1646	.1543
5.94	.1771	.1742	.1702	.1641	.1538
5.96	.1765	.1736	.1696	.1636	.1533
5.98	.1759	.1730	.1690	.1630	.1529

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	.1731	.1569	.1348	.1201	.1093
4.52	.1725	.1564	.1344	.1197	.1090
4.54	.1719	.1559	.1340	.1194	.1087
4.56	.1713	.1554	.1336	.1190	.1084
4.58	.1707	.1549	.1332	.1187	.1081
4.60	.1701	.1544	.1328	.1183	.1078
4.62	.1696	.1539	.1324	.1180	.1075
4.64	.1690	.1534	.1320	.1176	.1072
4.66	.1684	.1529	.1316	.1173	.1069
4.68	.1678	.1524	.1312	.1170	.1066
4.70	.1673	.1519	.1308	.1166	.1063
4.72	.1667	.1514	.1304	.1163	.1060
4.74	.1662	.1509	.1300	.1160	.1057
4.76	.1656	.1505	.1296	.1156	.1054
4.78	.1651	.1500	.1292	.1153	.1051
4.80	.1645	.1495	.1289	.1150	.1048
4.82	.1640	.1490	.1285	.1147	.1045
4.84	.1634	.1486	.1281	.1143	.1042
4.86	.1629	.1481	.1277	.1140	.1040
4.88	.1624	.1476	.1274	.1137	.1037
4.90	.1618	.1472	.1270	.1134	.1034
4.92	.1613	.1467	.1266	.1131	.1031
4.94	.1608	.1463	.1263	.1127	.1028
4.96	.1603	.1458	.1259	.1124	.1026
4.98	.1597	.1454	.1255	.1121	.1023
5.00	.1592	.1449	.1252	.1118	.1020
5.02	.1587	.1445	.1248	.1115	.1017
5.04	.1582	.1441	.1245	.1112	.1015
5.06	.1577	.1436	.1241	.1109	.1012
5.08	.1572	.1432	.1238	.1106	.1009
5.10	.1567	.1427	.1234	.1103	.1007
5.12	.1562	.1423	.1231	.1100	.1004
5.14	.1557	.1419	.1227	.1097	.1001
5.16	.1552	.1415	.1224	.1094	.0999
5.18	.1547	.1410	.1220	.1091	.0996
5.20	.1543	.1406	.1217	.1088	.0994
5.22	.1538	.1402	.1214	.1085	.0991
5.24	.1533	.1398	.1210	.1083	.0989
5.26	.1528	.1394	.1207	.1080	.0986
5.28	.1523	.1390	.1203	.1077	.0983
5.30	.1519	.1386	.1200	.1074	.0981
5.32	.1514	.1382	.1197	.1071	.0978
5.34	.1509	.1378	.1194	.1068	.0976
5.36	.1505	.1374	.1190	.1066	.0974
5.38	.1500	.1370	.1187	.1063	.0971
5.40	.1496	.1366	.1184	.1060	.0969
5.42	.1491	.1362	.1181	.1057	.0966
5.44	.1487	.1358	.1178	.1055	.0964
5.46	.1482	.1354	.1174	.1052	.0961
5.48	.1478	.1350	.1171	.1049	.0959
5.50	.1473	.1346	.1168	.1047	.0957
5.52	.1469	.1342	.1165	.1044	.0954
5.54	.1465	.1339	.1162	.1041	.0952
5.56	.1460	.1335	.1159	.1039	.0950
5.58	.1456	.1331	.1156	.1036	.0947
5.60	.1452	.1327	.1153	.1033	.0945
5.62	.1447	.1324	.1150	.1031	.0943
5.64	.1443	.1320	.1147	.1028	.0940
5.66	.1439	.1316	.1144	.1026	.0938
5.68	.1435	.1313	.1141	.1023	.0936
5.70	.1430	.1309	.1138	.1021	.0934
5.72	.1426	.1305	.1135	.1018	.0931
5.74	.1422	.1302	.1132	.1016	.0929
5.76	.1418	.1298	.1129	.1013	.0927
5.78	.1414	.1295	.1126	.1011	.0925
5.80	.1410	.1291	.1123	.1008	.0923
5.82	.1406	.1288	.1121	.1006	.0920
5.84	.1402	.1284	.1118	.1003	.0918
5.86	.1398	.1281	.1115	.1001	.0916
5.88	.1394	.1277	.1112	.0998	.0914
5.90	.1390	.1274	.1109	.0996	.0912
5.92	.1386	.1270	.1106	.0994	.0910
5.94	.1382	.1267	.1104	.0991	.0908
5.96	.1378	.1263	.1101	.0989	.0905
5.98	.1374	.1260	.1098	.0986	.0903

$$R_0(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
6.00	.1753	.1725	.1685	.1625	.1524
6.02	.1747	.1719	.1680	.1620	.1519
6.04	.1741	.1713	.1674	.1615	.1515
6.06	.1736	.1708	.1669	.1610	.1510
6.08	.1730	.1702	.1663	.1605	.1506
6.10	.1724	.1697	.1658	.1600	.1501
6.12	.1719	.1691	.1653	.1595	.1497
6.14	.1713	.1686	.1648	.1590	.1493
6.16	.1707	.1680	.1642	.1585	.1488
6.18	.1702	.1675	.1637	.1580	.1484
6.20	.1696	.1669	.1632	.1575	.1479
6.22	.1691	.1664	.1627	.1571	.1475
6.24	.1685	.1659	.1622	.1566	.1471
6.26	.1680	.1653	.1617	.1561	.1467
6.28	.1674	.1648	.1612	.1556	.1462
6.30	.1669	.1643	.1607	.1552	.1458
6.32	.1664	.1638	.1602	.1547	.1454
6.34	.1658	.1633	.1597	.1542	.1450
6.36	.1653	.1628	.1592	.1538	.1446
6.38	.1648	.1622	.1587	.1533	.1441
6.40	.1643	.1617	.1582	.1529	.1437
6.42	.1637	.1612	.1577	.1524	.1433
6.44	.1632	.1607	.1572	.1519	.1429
6.46	.1627	.1602	.1568	.1515	.1425
6.48	.1622	.1597	.1563	.1510	.1421
6.50	.1617	.1592	.1558	.1506	.1417
6.52	.1612	.1588	.1553	.1502	.1413
6.54	.1607	.1583	.1549	.1497	.1409
6.56	.1602	.1578	.1544	.1493	.1405
6.58	.1597	.1573	.1539	.1488	.1401
6.60	.1592	.1568	.1535	.1484	.1397
6.62	.1587	.1563	.1530	.1480	.1394
6.64	.1582	.1559	.1526	.1476	.1390
6.66	.1577	.1554	.1521	.1471	.1386
6.68	.1573	.1549	.1517	.1467	.1382
6.70	.1568	.1545	.1512	.1463	.1378
6.72	.1563	.1540	.1508	.1459	.1375
6.74	.1558	.1535	.1503	.1454	.1371
6.76	.1554	.1531	.1499	.1450	.1367
6.78	.1549	.1526	.1494	.1446	.1363
6.80	.1544	.1522	.1490	.1442	.1360
6.82	.1540	.1517	.1486	.1438	.1356
6.84	.1535	.1513	.1481	.1434	.1352
6.86	.1530	.1508	.1477	.1430	.1349
6.88	.1526	.1504	.1473	.1426	.1345
6.90	.1521	.1500	.1469	.1422	.1341
6.92	.1517	.1495	.1464	.1418	.1338
6.94	.1512	.1491	.1460	.1414	.1334
6.96	.1508	.1486	.1456	.1410	.1331
6.98	.1504	.1482	.1452	.1406	.1327
7.00	.1499	.1478	.1448	.1402	.1324
7.02	.1495	.1474	.1444	.1398	.1320
7.04	.1490	.1469	.1440	.1395	.1317
7.06	.1486	.1465	.1436	.1391	.1313
7.08	.1482	.1461	.1432	.1387	.1310
7.10	.1477	.1457	.1428	.1383	.1306
7.12	.1473	.1453	.1424	.1379	.1303
7.14	.1469	.1449	.1420	.1376	.1300
7.16	.1465	.1444	.1416	.1372	.1296
7.18	.1461	.1440	.1412	.1368	.1293
7.20	.1456	.1436	.1408	.1365	.1290
7.22	.1452	.1432	.1404	.1361	.1286
7.24	.1448	.1428	.1400	.1357	.1283
7.26	.1444	.1424	.1396	.1354	.1280
7.28	.1440	.1420	.1392	.1350	.1276
7.30	.1436	.1416	.1389	.1346	.1273
7.32	.1432	.1412	.1385	.1343	.1270
7.34	.1428	.1408	.1381	.1339	.1267
7.36	.1424	.1405	.1377	.1336	.1263
7.38	.1420	.1401	.1374	.1332	.1260
7.40	.1416	.1397	.1370	.1329	.1257
7.42	.1412	.1393	.1366	.1325	.1254
7.44	.1408	.1389	.1363	.1322	.1251
7.46	.1404	.1385	.1359	.1318	.1248
7.48	.1400	.1382	.1355	.1315	.1245

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
6.00	.1370	.1257	.1095	.0984	.0901
6.02	.1367	.1253	.1093	.0982	.0899
6.04	.1363	.1250	.1090	.0979	.0897
6.06	.1359	.1247	.1087	.0977	.0895
6.08	.1355	.1243	.1085	.0975	.0893
6.10	.1352	.1240	.1082	.0973	.0891
6.12	.1348	.1237	.1079	.0970	.0889
6.14	.1344	.1234	.1077	.0968	.0887
6.16	.1340	.1230	.1074	.0966	.0885
6.18	.1337	.1227	.1072	.0964	.0883
6.20	.1333	.1224	.1069	.0961	.0881
6.22	.1329	.1221	.1066	.0959	.0879
6.24	.1326	.1218	.1064	.0957	.0877
6.26	.1322	.1215	.1061	.0955	.0875
6.28	.1319	.1212	.1059	.0953	.0873
6.30	.1315	.1208	.1056	.0950	.0871
6.32	.1312	.1205	.1054	.0948	.0869
6.34	.1308	.1202	.1051	.0946	.0867
6.36	.1305	.1199	.1049	.0944	.0866
6.38	.1301	.1196	.1046	.0942	.0864
6.40	.1298	.1193	.1044	.0940	.0862
6.42	.1294	.1190	.1041	.0938	.0860
6.44	.1291	.1187	.1039	.0935	.0858
6.46	.1287	.1184	.1036	.0933	.0856
6.48	.1284	.1181	.1034	.0931	.0854
6.50	.1281	.1178	.1032	.0929	.0852
6.52	.1277	.1175	.1029	.0927	.0851
6.54	.1274	.1172	.1027	.0925	.0849
6.56	.1271	.1170	.1024	.0923	.0847
6.58	.1267	.1167	.1022	.0921	.0845
6.60	.1264	.1164	.1020	.0919	.0843
6.62	.1261	.1161	.1017	.0917	.0842
6.64	.1258	.1158	.1015	.0915	.0840
6.66	.1254	.1155	.1013	.0913	.0838
6.68	.1251	.1152	.1010	.0911	.0836
6.70	.1248	.1150	.1008	.0909	.0835
6.72	.1245	.1147	.1006	.0907	.0833
6.74	.1242	.1144	.1004	.0905	.0831
6.76	.1238	.1141	.1001	.0903	.0829
6.78	.1235	.1139	.0999	.0901	.0828
6.80	.1232	.1136	.0997	.0899	.0826
6.82	.1229	.1133	.0995	.0897	.0824
6.84	.1226	.1130	.0992	.0895	.0823
6.86	.1223	.1128	.0990	.0894	.0821
6.88	.1220	.1125	.0988	.0892	.0819
6.90	.1217	.1122	.0986	.0890	.0817
6.92	.1214	.1120	.0984	.0888	.0816
6.94	.1211	.1117	.0981	.0886	.0814
6.96	.1208	.1114	.0979	.0884	.0813
6.98	.1205	.1112	.0977	.0882	.0811
7.00	.1202	.1109	.0975	.0880	.0809
7.02	.1199	.1107	.0973	.0879	.0808
7.04	.1196	.1104	.0971	.0877	.0806
7.06	.1193	.1101	.0969	.0875	.0804
7.08	.1190	.1099	.0967	.0873	.0803
7.10	.1187	.1096	.0964	.0871	.0801
7.12	.1184	.1094	.0962	.0870	.0800
7.14	.1181	.1091	.0960	.0868	.0798
7.16	.1178	.1089	.0958	.0866	.0796
7.18	.1176	.1086	.0956	.0864	.0795
7.20	.1173	.1084	.0954	.0862	.0793
7.22	.1170	.1081	.0952	.0861	.0792
7.24	.1167	.1079	.0950	.0859	.0790
7.26	.1164	.1076	.0948	.0857	.0789
7.28	.1162	.1074	.0946	.0856	.0787
7.30	.1159	.1071	.0944	.0854	.0786
7.32	.1156	.1069	.0942	.0852	.0784
7.34	.1153	.1067	.0940	.0850	.0782
7.36	.1151	.1064	.0938	.0849	.0781
7.38	.1148	.1062	.0936	.0847	.0779
7.40	.1145	.1059	.0934	.0845	.0778
7.42	.1142	.1057	.0932	.0844	.0776
7.44	.1140	.1055	.0930	.0842	.0775
7.46	.1137	.1052	.0928	.0840	.0774
7.48	.1134	.1050	.0926	.0839	.0772

$$R_0(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
7.50	.1397	.1378	.1352	.1311	.1241
7.52	.1393	.1374	.1348	.1308	.1238
7.54	.1389	.1370	.1344	.1305	.1235
7.56	.1385	.1367	.1341	.1301	.1232
7.58	.1381	.1363	.1337	.1298	.1229
7.60	.1378	.1359	.1334	.1294	.1226
7.62	.1374	.1356	.1330	.1291	.1223
7.64	.1370	.1352	.1327	.1288	.1220
7.66	.1367	.1349	.1323	.1285	.1217
7.68	.1363	.1345	.1320	.1281	.1214
7.70	.1359	.1341	.1316	.1278	.1211
7.72	.1356	.1338	.1313	.1275	.1208
7.74	.1352	.1334	.1310	.1272	.1205
7.76	.1348	.1331	.1306	.1268	.1202
7.78	.1345	.1327	.1303	.1265	.1200
7.80	.1341	.1324	.1299	.1262	.1197
7.82	.1338	.1320	.1296	.1259	.1194
7.84	.1334	.1317	.1293	.1256	.1191
7.86	.1331	.1314	.1290	.1253	.1188
7.88	.1327	.1310	.1286	.1249	.1185
7.90	.1324	.1307	.1283	.1246	.1182
7.92	.1320	.1303	.1280	.1243	.1180
7.94	.1317	.1300	.1276	.1240	.1177
7.96	.1313	.1297	.1273	.1237	.1174
7.98	.1310	.1293	.1270	.1234	.1171
8.00	.1307	.1290	.1267	.1231	.1169
8.02	.1303	.1287	.1264	.1228	.1166
8.04	.1300	.1284	.1261	.1225	.1163
8.06	.1296	.1280	.1257	.1222	.1160
8.08	.1293	.1277	.1254	.1219	.1158
8.10	.1290	.1274	.1251	.1216	.1155
8.12	.1287	.1271	.1248	.1213	.1152
8.14	.1283	.1267	.1245	.1210	.1150
8.16	.1280	.1264	.1242	.1207	.1147
8.18	.1277	.1261	.1239	.1204	.1144
8.20	.1274	.1258	.1236	.1202	.1142
8.22	.1270	.1255	.1233	.1199	.1139
8.24	.1267	.1252	.1230	.1196	.1136
8.26	.1264	.1249	.1227	.1193	.1134
8.28	.1261	.1245	.1224	.1190	.1131
8.30	.1258	.1242	.1221	.1187	.1129
8.32	.1255	.1239	.1218	.1185	.1126
8.34	.1251	.1236	.1215	.1182	.1124
8.36	.1248	.1233	.1212	.1179	.1121
8.38	.1245	.1230	.1209	.1176	.1119
8.40	.1242	.1227	.1206	.1173	.1116
8.42	.1239	.1224	.1203	.1171	.1114
8.44	.1236	.1221	.1200	.1168	.1111
8.46	.1233	.1218	.1197	.1165	.1109
8.48	.1230	.1215	.1195	.1163	.1106
8.50	.1227	.1212	.1192	.1160	.1104
8.52	.1224	.1210	.1189	.1157	.1101
8.54	.1221	.1207	.1186	.1154	.1099
8.56	.1218	.1204	.1183	.1152	.1096
8.58	.1215	.1201	.1181	.1149	.1094
8.60	.1212	.1198	.1178	.1147	.1091
8.62	.1209	.1195	.1175	.1144	.1089
8.64	.1206	.1192	.1172	.1141	.1087
8.66	.1203	.1189	.1169	.1139	.1084
8.68	.1201	.1187	.1167	.1136	.1082
8.70	.1198	.1184	.1164	.1133	.1080
8.72	.1195	.1181	.1161	.1131	.1077
8.74	.1192	.1178	.1159	.1128	.1075
8.76	.1189	.1176	.1156	.1126	.1073
8.78	.1186	.1173	.1153	.1123	.1070
8.80	.1184	.1170	.1151	.1121	.1068
8.82	.1181	.1167	.1148	.1118	.1066
8.84	.1178	.1165	.1145	.1116	.1063
8.86	.1175	.1162	.1143	.1113	.1061
8.88	.1173	.1159	.1140	.1111	.1059
8.90	.1170	.1157	.1138	.1108	.1057
8.92	.1167	.1154	.1135	.1106	.1054
8.94	.1164	.1151	.1132	.1103	.1052
8.96	.1162	.1149	.1130	.1101	.1050
8.98	.1159	.1146	.1127	.1099	.1048

$$R_0(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
7.50	.1132	.1048	.0925	.0837	.0771
7.52	.1129	.1045	.0923	.0835	.0769
7.54	.1127	.1043	.0921	.0834	.0768
7.56	.1124	.1041	.0919	.0832	.0766
7.58	.1121	.1039	.0917	.0830	.0765
7.60	.1119	.1036	.0915	.0829	.0763
7.62	.1116	.1034	.0913	.0827	.0762
7.64	.1114	.1032	.0911	.0826	.0760
7.66	.1111	.1029	.0910	.0824	.0759
7.68	.1109	.1027	.0908	.0822	.0758
7.70	.1106	.1025	.0906	.0821	.0756
7.72	.1104	.1023	.0904	.0819	.0755
7.74	.1101	.1021	.0902	.0818	.0753
7.76	.1099	.1018	.0900	.0816	.0752
7.78	.1096	.1016	.0899	.0815	.0751
7.80	.1094	.1014	.0897	.0813	.0749
7.82	.1091	.1012	.0895	.0812	.0748
7.84	.1089	.1010	.0893	.0810	.0747
7.86	.1086	.1008	.0892	.0808	.0745
7.88	.1084	.1005	.0890	.0807	.0744
7.90	.1081	.1003	.0888	.0805	.0742
7.92	.1079	.1001	.0886	.0804	.0741
7.94	.1077	.0999	.0885	.0802	.0740
7.96	.1074	.0997	.0883	.0801	.0738
7.98	.1072	.0995	.0881	.0799	.0737
8.00	.1070	.0993	.0879	.0798	.0736
8.02	.1067	.0991	.0878	.0796	.0735
8.04	.1065	.0989	.0876	.0795	.0733
8.06	.1063	.0987	.0874	.0794	.0732
8.08	.1060	.0985	.0873	.0792	.0731
8.10	.1058	.0983	.0871	.0791	.0729
8.12	.1056	.0980	.0869	.0789	.0728
8.14	.1053	.0978	.0867	.0788	.0727
8.16	.1051	.0976	.0866	.0786	.0725
8.18	.1049	.0974	.0864	.0785	.0724
8.20	.1047	.0972	.0863	.0783	.0723
8.22	.1044	.0970	.0861	.0782	.0722
8.24	.1042	.0968	.0859	.0781	.0720
8.26	.1040	.0966	.0858	.0779	.0719
8.28	.1038	.0965	.0856	.0778	.0718
8.30	.1035	.0963	.0854	.0776	.0717
8.32	.1033	.0961	.0853	.0775	.0715
8.34	.1031	.0959	.0851	.0774	.0714
8.36	.1029	.0957	.0850	.0772	.0713
8.38	.1027	.0955	.0848	.0771	.0712
8.40	.1024	.0953	.0846	.0769	.0710
8.42	.1022	.0951	.0845	.0768	.0709
8.44	.1020	.0949	.0843	.0767	.0708
8.46	.1018	.0947	.0842	.0765	.0707
8.48	.1016	.0945	.0840	.0764	.0706
8.50	.1014	.0943	.0839	.0763	.0704
8.52	.1012	.0942	.0837	.0761	.0703
8.54	.1010	.0940	.0835	.0760	.0702
8.56	.1007	.0938	.0834	.0759	.0701
8.58	.1005	.0936	.0832	.0757	.0700
8.60	.1003	.0934	.0831	.0756	.0698
8.62	.1001	.0932	.0829	.0755	.0697
8.64	.0999	.0931	.0828	.0753	.0696
8.66	.0997	.0929	.0826	.0752	.0695
8.68	.0995	.0927	.0825	.0751	.0694
8.70	.0993	.0925	.0823	.0749	.0693
8.72	.0991	.0923	.0822	.0748	.0691
8.74	.0989	.0921	.0820	.0747	.0690
8.76	.0987	.0920	.0819	.0746	.0689
8.78	.0985	.0918	.0817	.0744	.0688
8.80	.0983	.0916	.0816	.0743	.0687
8.82	.0981	.0914	.0814	.0742	.0686
8.84	.0979	.0913	.0813	.0740	.0685
8.86	.0977	.0911	.0812	.0739	.0684
8.88	.0975	.0909	.0810	.0738	.0682
8.90	.0973	.0907	.0809	.0737	.0681
8.92	.0971	.0906	.0807	.0735	.0680
8.94	.0969	.0904	.0806	.0734	.0679
8.96	.0967	.0902	.0804	.0733	.0678
8.98	.0965	.0901	.0803	.0732	.0677

$$R_0(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
9.00	.1156	.1143	.1125	.1096	.1045
9.02	.1154	.1141	.1122	.1094	.1043
9.04	.1151	.1138	.1120	.1091	.1041
9.06	.1148	.1136	.1117	.1089	.1039
9.08	.1146	.1133	.1115	.1087	.1037
9.10	.1143	.1130	.1112	.1084	.1034
9.12	.1141	.1128	.1110	.1082	.1032
9.14	.1138	.1125	.1107	.1080	.1030
9.16	.1135	.1123	.1105	.1077	.1028
9.18	.1133	.1120	.1102	.1075	.1026
9.20	.1130	.1118	.1100	.1073	.1024
9.22	.1128	.1115	.1098	.1070	.1022
9.24	.1125	.1113	.1095	.1068	.1020
9.26	.1123	.1110	.1093	.1066	.1017
9.28	.1120	.1108	.1090	.1063	.1015
9.30	.1118	.1105	.1088	.1061	.1013
9.32	.1115	.1103	.1086	.1059	.1011
9.34	.1113	.1101	.1083	.1057	.1009
9.36	.1110	.1098	.1081	.1054	.1007
9.38	.1108	.1096	.1079	.1052	.1005
9.40	.1105	.1093	.1076	.1050	.1003
9.42	.1103	.1091	.1074	.1048	.1001
9.44	.1100	.1089	.1072	.1046	.0999
9.46	.1098	.1086	.1069	.1043	.0997
9.48	.1096	.1084	.1067	.1041	.0995
9.50	.1093	.1082	.1065	.1039	.0993
9.52	.1091	.1079	.1063	.1037	.0991
9.54	.1088	.1077	.1060	.1035	.0989
9.56	.1086	.1075	.1058	.1033	.0987
9.58	.1084	.1072	.1056	.1030	.0985
9.60	.1081	.1070	.1054	.1028	.0983
9.62	.1079	.1068	.1051	.1026	.0981
9.64	.1077	.1065	.1049	.1024	.0979
9.66	.1074	.1063	.1047	.1022	.0977
9.68	.1072	.1061	.1045	.1020	.0975
9.70	.1070	.1059	.1043	.1018	.0973
9.72	.1067	.1056	.1040	.1016	.0971
9.74	.1065	.1054	.1038	.1014	.0970
9.76	.1063	.1052	.1036	.1011	.0968
9.78	.1061	.1050	.1034	.1009	.0966
9.80	.1058	.1047	.1032	.1007	.0964
9.82	.1056	.1045	.1030	.1005	.0962
9.84	.1054	.1043	.1028	.1003	.0960
9.86	.1052	.1041	.1025	.1001	.0958
9.88	.1049	.1039	.1023	.0999	.0956
9.90	.1047	.1037	.1021	.0997	.0955
9.92	.1045	.1034	.1019	.0995	.0953
9.94	.1043	.1032	.1017	.0993	.0951
9.96	.1041	.1030	.1015	.0991	.0949
9.98	.1039	.1028	.1013	.0989	.0947
10.00	.1036	.1026	.1011	.0987	.0945

$$R_0(x, r)$$

$\begin{matrix} x \\ r \end{matrix}$	3.0	4.0	6.0	8.0	10.0
9.00	.0964	.0899	.0802	.0731	.0676
9.02	.0962	.0897	.0800	.0729	.0675
9.04	.0960	.0895	.0799	.0728	.0674
9.06	.0958	.0894	.0797	.0727	.0673
9.08	.0956	.0892	.0796	.0726	.0671
9.10	.0954	.0890	.0795	.0724	.0670
9.12	.0952	.0889	.0793	.0723	.0669
9.14	.0950	.0887	.0792	.0722	.0668
9.16	.0948	.0885	.0790	.0721	.0667
9.18	.0947	.0884	.0789	.0720	.0666
9.20	.0945	.0882	.0788	.0719	.0665
9.22	.0943	.0881	.0786	.0717	.0664
9.24	.0941	.0879	.0785	.0716	.0663
9.26	.0939	.0877	.0784	.0715	.0662
9.28	.0937	.0876	.0782	.0714	.0661
9.30	.0936	.0874	.0781	.0713	.0660
9.32	.0934	.0873	.0780	.0712	.0659
9.34	.0932	.0871	.0778	.0710	.0658
9.36	.0930	.0869	.0777	.0709	.0657
9.38	.0929	.0868	.0776	.0708	.0656
9.40	.0927	.0866	.0774	.0707	.0655
9.42	.0925	.0865	.0773	.0706	.0654
9.44	.0923	.0863	.0772	.0705	.0653
9.46	.0921	.0861	.0770	.0704	.0652
9.48	.0920	.0860	.0769	.0702	.0651
9.50	.0918	.0858	.0768	.0701	.0650
9.52	.0916	.0857	.0767	.0700	.0649
9.54	.0915	.0855	.0765	.0699	.0648
9.56	.0913	.0854	.0764	.0698	.0647
9.58	.0911	.0852	.0763	.0697	.0646
9.60	.0909	.0851	.0761	.0696	.0645
9.62	.0908	.0849	.0760	.0695	.0644
9.64	.0906	.0848	.0759	.0694	.0643
9.66	.0904	.0846	.0758	.0692	.0642
9.68	.0903	.0845	.0756	.0691	.0641
9.70	.0901	.0843	.0755	.0690	.0640
9.72	.0899	.0842	.0754	.0689	.0639
9.74	.0898	.0840	.0753	.0688	.0638
9.76	.0896	.0839	.0751	.0687	.0637
9.78	.0894	.0837	.0750	.0686	.0636
9.80	.0893	.0836	.0749	.0685	.0635
9.82	.0891	.0834	.0748	.0684	.0634
9.84	.0889	.0833	.0747	.0683	.0633
9.86	.0888	.0831	.0745	.0682	.0632
9.88	.0886	.0830	.0744	.0681	.0631
9.90	.0885	.0829	.0743	.0680	.0630
9.92	.0883	.0827	.0742	.0679	.0629
9.94	.0881	.0826	.0741	.0678	.0628
9.96	.0880	.0824	.0739	.0677	.0628
9.98	.0878	.0823	.0738	.0675	.0627
10.00	.0877	.0821	.0737	.0674	.0626

$R_1(x, r)$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.989976	.943264	.884139	.806299	.697402
.04	.979907	.933042	.873848	.796120	.687736
.06	.969797	.922799	.863558	.785964	.678110
.08	.959652	.912540	.853272	.775832	.668526
.10	.949475	.902270	.842994	.765727	.658987
.12	.939272	.891990	.832727	.755652	.649493
.14	.929046	.881706	.822474	.745609	.640048
.16	.918802	.871421	.812238	.735601	.630652
.18	.908543	.861138	.802021	.725630	.621308
.20	.898274	.850861	.791827	.715698	.612017
.22	.887997	.840592	.781658	.705808	.602780
.24	.877717	.830336	.771517	.695960	.593599
.26	.867438	.820094	.761406	.686158	.584475
.28	.857162	.809870	.751328	.676403	.575410
.30	.846892	.799667	.741285	.666696	.566406
.32	.836633	.789488	.731279	.657041	.557462
.34	.826387	.779334	.721312	.647438	.548581
.36	.816157	.769209	.711387	.637888	.539763
.38	.805946	.759115	.701506	.628395	.531010
.40	.795756	.749055	.691670	.618958	.522322
.42	.785591	.739030	.681882	.609579	.513701
.44	.775453	.729043	.672142	.600261	.505147
.46	.765345	.719096	.662454	.591003	.496662
.48	.755268	.709191	.652817	.581807	.488245
.50	.745226	.699331	.643235	.572675	.479899
.52	.735220	.689516	.633709	.563608	.471622
.54	.725253	.679749	.624240	.554606	.463417
.56	.715327	.670032	.614829	.545670	.455284
.58	.705444	.660366	.605478	.536803	.447223
.60	.695605	.650752	.596188	.528003	.439236
.62	.685813	.641194	.586960	.519274	.431321
.64	.676069	.631691	.577796	.510614	.423481
.66	.666376	.622245	.568696	.502025	.415714
.68	.656734	.612859	.559662	.493508	.408023
.70	.647146	.603532	.550695	.485063	.400407
.72	.637612	.594267	.541795	.476691	.392865
.74	.628136	.585064	.532964	.468393	.385400
.76	.618717	.575925	.524202	.460169	.378011
.78	.609357	.566850	.515510	.452019	.370697
.80	.600057	.557842	.506889	.443945	.363461
.82	.590820	.548900	.498340	.435946	.356300
.84	.581645	.540026	.489863	.428023	.349216
.86	.572534	.531220	.481459	.420177	.342209
.88	.563488	.522484	.473129	.412407	.335279
.90	.554509	.513818	.464873	.404714	.328426
.92	.545596	.505223	.456691	.397099	.321650
.94	.536752	.496700	.448585	.389561	.314950
.96	.527976	.488249	.440554	.382100	.308328
.98	.519270	.479871	.432599	.374718	.301782
1.00	.510634	.471566	.424720	.367413	.295313
1.02	.502070	.463336	.416918	.360187	.288921
1.04	.493577	.455180	.409193	.353039	.282605
1.06	.485157	.447100	.401545	.345969	.276366
1.08	.476810	.439094	.393975	.338977	.270203
1.10	.468537	.431165	.386482	.332064	.264117
1.12	.460338	.423312	.379067	.325229	.258106
1.14	.452214	.415536	.371730	.318472	.252171
1.16	.444165	.407836	.364472	.311794	.246311
1.18	.436191	.400214	.357291	.305194	.240527
1.20	.428293	.392669	.350189	.298672	.234818
1.22	.420472	.385201	.343165	.292227	.229183
1.24	.412728	.377811	.336220	.285861	.223623
1.26	.405060	.370500	.329352	.279572	.218137
1.28	.397469	.363266	.322563	.273361	.212725
1.30	.389956	.356110	.315853	.267227	.207386
1.32	.382520	.349032	.309220	.261169	.202121
1.34	.375162	.342032	.302666	.255189	.196928
1.36	.367882	.335111	.296189	.249285	.191808
1.38	.360680	.328268	.289791	.243458	.186759
1.40	.353556	.321503	.283470	.237706	.181782
1.42	.346510	.314816	.277226	.232030	.176877
1.44	.339542	.308207	.271060	.226430	.172042
1.46	.332652	.301675	.264970	.220904	.167278
1.48	.325840	.295222	.258958	.215453	.162584

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.568713	.492211	.401636	.347717	.310949
.04	.560123	.484469	.395067	.341922	.305708
.06	.551582	.476776	.388544	.336167	.300504
.08	.543092	.469133	.382066	.330453	.295338
.10	.534653	.461542	.375634	.324783	.290212
.12	.526267	.454002	.369251	.319155	.285125
.14	.517935	.446516	.362915	.313572	.280079
.16	.509659	.439083	.356629	.308033	.275073
.18	.501440	.431707	.350392	.302538	.270109
.20	.493279	.424386	.344206	.297090	.265187
.22	.485176	.417122	.338071	.291688	.260307
.24	.477134	.409916	.331988	.286333	.255470
.26	.469152	.402768	.325957	.281024	.250676
.28	.461232	.395679	.319979	.275764	.245926
.30	.453375	.388651	.314054	.270551	.241219
.32	.445581	.381683	.308183	.265387	.236557
.34	.437851	.374776	.302366	.260271	.231940
.36	.430186	.367930	.296604	.255205	.227367
.38	.422587	.361147	.290896	.250188	.222839
.40	.415054	.354426	.285244	.245220	.218357
.42	.407588	.347768	.279648	.240303	.213920
.44	.400189	.341174	.274107	.235435	.209529
.46	.392858	.334644	.268623	.230618	.205184
.48	.385595	.328177	.263195	.225852	.200885
.50	.378401	.321776	.257823	.221136	.196632
.52	.371276	.315438	.252508	.216470	.192425
.54	.364221	.309166	.247250	.211856	.188265
.56	.357236	.302960	.242049	.207293	.184151
.58	.350320	.296818	.236905	.202780	.180084
.60	.343476	.290742	.231819	.198319	.176063
.62	.336701	.284732	.226789	.193909	.172089
.64	.329998	.278788	.221817	.189550	.168161
.66	.323366	.272909	.216903	.185242	.164280
.68	.316804	.267097	.212045	.180985	.160445
.70	.310314	.261351	.207245	.176780	.156656
.72	.303896	.255670	.202502	.172625	.152915
.74	.297549	.250056	.197817	.168521	.149219
.76	.291274	.244507	.193188	.164469	.145570
.78	.285070	.239025	.188617	.160467	.141966
.80	.278937	.233608	.184102	.156515	.138409
.82	.272876	.228257	.179645	.152614	.134898
.84	.266887	.222972	.175244	.148764	.131433
.86	.260969	.217753	.170899	.144964	.128013
.88	.255122	.212599	.166611	.141214	.124639
.90	.249346	.207510	.162380	.137514	.121310
.92	.243642	.202486	.158204	.133864	.118026
.94	.238008	.197527	.154084	.130263	.114787
.96	.232445	.192633	.150020	.126712	.111593
.98	.226953	.187803	.146011	.123210	.108444
1.00	.221531	.183038	.142057	.119757	.105339
1.02	.216179	.178336	.138159	.116352	.102278
1.04	.210897	.173699	.134314	.112996	.099261
1.06	.205684	.169125	.130525	.109688	.096288
1.08	.200541	.164613	.126789	.106428	.093359
1.10	.195467	.160165	.123107	.103216	.090472
1.12	.190462	.155780	.119479	.100051	.087629
1.14	.185526	.151456	.115904	.096933	.084828
1.16	.180657	.147195	.112382	.093863	.082070
1.18	.175857	.142995	.108912	.090838	.079353
1.20	.171124	.138856	.105495	.087860	.076679
1.22	.166458	.134779	.102129	.084928	.074046
1.24	.161859	.130761	.098816	.082042	.071455
1.26	.157326	.126804	.095553	.079200	.068905
1.28	.152859	.122907	.092341	.076404	.066395
1.30	.148458	.119069	.089180	.073653	.063926
1.32	.144122	.115290	.086069	.070945	.061497
1.34	.139851	.111569	.083008	.068282	.059107
1.36	.135645	.107906	.079996	.065662	.056758
1.38	.131502	.104302	.077033	.063086	.054447
1.40	.127423	.100754	.074119	.060553	.052175
1.42	.123407	.097264	.071253	.058062	.049942
1.44	.119454	.093829	.068435	.055613	.047747
1.46	.115562	.090451	.065665	.053206	.045590
1.48	.111733	.087128	.062941	.050841	.043470

$R_1(x, r)$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	.319107	.288846	.253022	.210077	.157959
1.52	.3125	.2825	.2472	.2048	.1534
1.54	.3059	.2763	.2414	.1995	.1489
1.56	.2994	.2702	.2357	.1944	.1445
1.58	.2930	.2641	.2300	.1893	.1401
1.60	.2866	.2581	.2245	.1843	.1359
1.62	.2803	.2522	.2190	.1794	.1316
1.64	.2741	.2464	.2136	.1745	.1275
1.66	.2680	.2406	.2083	.1697	.1234
1.68	.2620	.2349	.2030	.1650	.1194
1.70	.2560	.2293	.1978	.1603	.1154
1.72	.2502	.2238	.1927	.1557	.1115
1.74	.2443	.2183	.1877	.1512	.1077
1.76	.2386	.2129	.1827	.1468	.1039
1.78	.2330	.2076	.1778	.1424	.1002
1.80	.2274	.2024	.1730	.1381	.0966
1.82	.2219	.1972	.1682	.1338	.0930
1.84	.2164	.1921	.1635	.1297	.0895
1.86	.2111	.1871	.1589	.1255	.0860
1.88	.2058	.1821	.1544	.1215	.0826
1.90	.2006	.1773	.1499	.1175	.0793
1.92	.1954	.1724	.1455	.1136	.0760
1.94	.1904	.1677	.1411	.1097	.0728
1.96	.1854	.1630	.1368	.1060	.0696
1.98	.1804	.1584	.1326	.1022	.0665
2.00	.1756	.1539	.1285	.0986	.0635
2.02	.1708	.1494	.1244	.0950	.0605
2.04	.1661	.1451	.1204	.0914	.0575
2.06	.1615	.1407	.1165	.0879	.0547
2.08	.1569	.1365	.1126	.0845	.0518
2.10	.1524	.1323	.1088	.0812	.0490
2.12	.1480	.1282	.1050	.0779	.0463
2.14	.1436	.1241	.1013	.0746	.0436
2.16	.1393	.1201	.0977	.0714	.0410
2.18	.1351	.1162	.0941	.0683	.0385
2.20	.1309	.1123	.0906	.0652	.0359
2.22	.1268	.1085	.0872	.0622	.0335
2.24	.1227	.1048	.0838	.0593	.0311
2.26	.1186	.1011	.0804	.0564	.0287
2.28	.1149	.0975	.0772	.0535	.0264
2.30	.1110	.0939	.0740	.0507	.0241
2.32	.1073	.0904	.0708	.0480	.0219
2.34	.1035	.0870	.0677	.0453	.0197
2.36	.0999	.0836	.0647	.0427	.0175
2.38	.0963	.0803	.0617	.0401	.0155
2.40	.0928	.0770	.0588	.0375	.0134
2.42	.0893	.0738	.0559	.0351	.0114
2.44	.0859	.0707	.0531	.0326	.0095
2.46	.0825	.0676	.0503	.0302	.0075
2.48	.0792	.0646	.0476	.0279	.0057
2.50	.0760	.0616	.0449	.0256	.0038
2.52	.0728	.0587	.0423	.0234	.0021
2.54	.0697	.0558	.0397	.0212	.0003
2.56	.0666	.0530	.0372	.0190	-.0014
2.58	.0636	.0503	.0348	.0169	-.0030
2.60	.0607	.0476	.0324	.0149	-.0047
2.62	.0578	.0449	.0300	.0129	-.0063
2.64	.0549	.0423	.0277	.0109	-.0078
2.66	.0521	.0397	.0254	.0090	-.0093
2.68	.0494	.0372	.0232	.0071	-.0108
2.70	.0467	.0348	.0210	.0052	-.0122
2.72	.0441	.0324	.0189	.0035	-.0136
2.74	.0415	.0300	.0168	.0017	-.0150
2.76	.0390	.0277	.0148	-.0000	-.0163
2.78	.0365	.0255	.0128	-.0017	-.0176
2.80	.0340	.0233	.0108	-.0033	-.0189
2.82	.0317	.0211	.0089	-.0049	-.0201
2.84	.0293	.0190	.0071	-.0065	-.0213
2.86	.0270	.0169	.0053	-.0080	-.0224
2.88	.0248	.0149	.0035	-.0095	-.0236
2.90	.0226	.0129	.0017	-.0109	-.0247
2.92	.0205	.0110	.0000	-.0123	-.0257
2.94	.0184	.0091	-.0016	-.0137	-.0267
2.96	.0163	.0072	-.0032	-.0150	-.0278
2.98	.0143	.0054	-.0048	-.0164	-.0287

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	.107964	.083860	.060264	.048517	.041387
1.52	.1043	.0806	.0576	.0462	.0393
1.54	.1006	.0775	.0550	.0440	.0373
1.56	.0970	.0744	.0525	.0418	.0354
1.58	.0935	.0713	.0500	.0396	.0334
1.60	.0900	.0683	.0476	.0375	.0315
1.62	.0866	.0654	.0452	.0354	.0297
1.64	.0833	.0625	.0428	.0334	.0278
1.66	.0800	.0596	.0405	.0314	.0260
1.68	.0767	.0568	.0382	.0294	.0243
1.70	.0735	.0541	.0360	.0275	.0225
1.72	.0704	.0514	.0338	.0256	.0208
1.74	.0673	.0488	.0316	.0237	.0192
1.76	.0643	.0462	.0295	.0219	.0175
1.78	.0614	.0436	.0275	.0201	.0159
1.80	.0584	.0411	.0254	.0183	.0144
1.82	.0556	.0387	.0234	.0166	.0128
1.84	.0528	.0363	.0215	.0149	.0113
1.86	.0500	.0339	.0196	.0133	.0099
1.88	.0473	.0316	.0177	.0117	.0084
1.90	.0447	.0293	.0159	.0101	.0070
1.92	.0421	.0271	.0141	.0085	.0056
1.94	.0395	.0249	.0123	.0070	.0043
1.96	.0370	.0228	.0106	.0055	.0030
1.98	.0346	.0207	.0089	.0041	.0017
2.00	.0322	.0187	.0073	.0027	.0004
2.02	.0298	.0167	.0057	.0013	-.0008
2.04	.0275	.0147	.0041	-.0001	-.0021
2.06	.0253	.0128	.0025	-.0014	-.0032
2.08	.0230	.0109	.0010	-.0027	-.0044
2.10	.0209	.0090	-.0005	-.0040	-.0055
2.12	.0187	.0072	-.0019	-.0052	-.0066
2.14	.0167	.0055	-.0033	-.0064	-.0077
2.16	.0146	.0038	-.0047	-.0076	-.0087
2.18	.0126	.0021	-.0060	-.0088	-.0098
2.20	.0107	.0004	-.0073	-.0099	-.0108
2.22	.0088	-.0012	-.0086	-.0110	-.0117
2.24	.0069	-.0027	-.0099	-.0120	-.0127
2.26	.0051	-.0043	-.0111	-.0131	-.0136
2.28	.0033	-.0058	-.0123	-.0141	-.0145
2.30	.0016	-.0072	-.0134	-.0151	-.0154
2.32	-.0001	-.0087	-.0146	-.0161	-.0163
2.34	-.0018	-.0101	-.0157	-.0170	-.0171
2.36	-.0034	-.0114	-.0168	-.0179	-.0179
2.38	-.0050	-.0128	-.0178	-.0188	-.0187
2.40	-.0066	-.0141	-.0188	-.0197	-.0195
2.42	-.0081	-.0153	-.0198	-.0205	-.0202
2.44	-.0096	-.0165	-.0208	-.0213	-.0210
2.46	-.0110	-.0177	-.0217	-.0221	-.0217
2.48	-.0124	-.0189	-.0226	-.0229	-.0223
2.50	-.0138	-.0200	-.0235	-.0237	-.0230
2.52	-.0151	-.0211	-.0244	-.0244	-.0237
2.54	-.0164	-.0222	-.0252	-.0251	-.0243
2.56	-.0177	-.0233	-.0260	-.0258	-.0249
2.58	-.0189	-.0243	-.0268	-.0265	-.0255
2.60	-.0201	-.0253	-.0276	-.0271	-.0260
2.62	-.0213	-.0262	-.0283	-.0277	-.0266
2.64	-.0224	-.0271	-.0290	-.0283	-.0271
2.66	-.0235	-.0281	-.0297	-.0289	-.0276
2.68	-.0246	-.0289	-.0304	-.0295	-.0281
2.70	-.0256	-.0298	-.0311	-.0300	-.0286
2.72	-.0266	-.0306	-.0317	-.0306	-.0291
2.74	-.0276	-.0314	-.0323	-.0311	-.0295
2.76	-.0286	-.0322	-.0329	-.0316	-.0300
2.78	-.0295	-.0329	-.0335	-.0320	-.0304
2.80	-.0304	-.0336	-.0340	-.0325	-.0308
2.82	-.0313	-.0343	-.0345	-.0329	-.0312
2.84	-.0321	-.0350	-.0350	-.0334	-.0315
2.86	-.0329	-.0357	-.0355	-.0338	-.0319
2.88	-.0337	-.0363	-.0360	-.0342	-.0322
2.90	-.0345	-.0369	-.0365	-.0345	-.0325
2.92	-.0352	-.0375	-.0369	-.0349	-.0329
2.94	-.0359	-.0381	-.0373	-.0352	-.0332
2.96	-.0366	-.0386	-.0377	-.0356	-.0334
2.98	-.0373	-.0391	-.0381	-.0359	-.0337

$$R_1(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
3.00	.0123	.0036	-.0064	-.0176	-.0297
3.02	.0104	.0019	-.0079	-.0189	-.0306
3.04	.0085	.0002	-.0093	-.0201	-.0315
3.06	.0067	-.0014	-.0108	-.0212	-.0323
3.08	.0049	-.0031	-.0121	-.0224	-.0332
3.10	.0031	-.0046	-.0135	-.0235	-.0340
3.12	.0014	-.0062	-.0148	-.0245	-.0347
3.14	-.0003	-.0077	-.0161	-.0256	-.0355
3.16	-.0019	-.0091	-.0174	-.0266	-.0362
3.18	-.0035	-.0105	-.0186	-.0276	-.0369
3.20	-.0051	-.0119	-.0198	-.0285	-.0376
3.22	-.0066	-.0133	-.0209	-.0294	-.0382
3.24	-.0081	-.0146	-.0221	-.0303	-.0389
3.26	-.0095	-.0159	-.0231	-.0312	-.0395
3.28	-.0109	-.0171	-.0242	-.0320	-.0400
3.30	-.0123	-.0183	-.0252	-.0329	-.0406
3.32	-.0136	-.0195	-.0262	-.0336	-.0411
3.34	-.0150	-.0207	-.0272	-.0344	-.0416
3.36	-.0162	-.0218	-.0281	-.0351	-.0421
3.38	-.0175	-.0229	-.0291	-.0358	-.0426
3.40	-.0187	-.0239	-.0299	-.0365	-.0431
3.42	-.0198	-.0250	-.0308	-.0372	-.0435
3.44	-.0210	-.0260	-.0316	-.0378	-.0439
3.46	-.0221	-.0269	-.0324	-.0384	-.0443
3.48	-.0232	-.0279	-.0332	-.0390	-.0447
3.50	-.0242	-.0288	-.0340	-.0396	-.0450
3.52	-.0252	-.0297	-.0347	-.0401	-.0453
3.54	-.0262	-.0305	-.0354	-.0406	-.0457
3.56	-.0272	-.0313	-.0361	-.0411	-.0460
3.58	-.0281	-.0321	-.0367	-.0416	-.0462
3.60	-.0290	-.0329	-.0373	-.0421	-.0465
3.62	-.0299	-.0337	-.0379	-.0425	-.0467
3.64	-.0307	-.0344	-.0385	-.0429	-.0470
3.66	-.0315	-.0351	-.0391	-.0433	-.0472
3.68	-.0323	-.0357	-.0396	-.0437	-.0474
3.70	-.0331	-.0364	-.0401	-.0440	-.0476
3.72	-.0338	-.0370	-.0406	-.0444	-.0477
3.74	-.0345	-.0376	-.0411	-.0447	-.0479
3.76	-.0352	-.0382	-.0415	-.0450	-.0480
3.78	-.0359	-.0388	-.0420	-.0453	-.0482
3.80	-.0365	-.0393	-.0424	-.0456	-.0483
3.82	-.0371	-.0398	-.0428	-.0458	-.0484
3.84	-.0377	-.0403	-.0431	-.0461	-.0484
3.86	-.0383	-.0408	-.0435	-.0463	-.0485
3.88	-.0389	-.0412	-.0438	-.0465	-.0486
3.90	-.0394	-.0416	-.0441	-.0467	-.0486
3.92	-.0399	-.0420	-.0444	-.0468	-.0486
3.94	-.0404	-.0424	-.0447	-.0470	-.0487
3.96	-.0408	-.0428	-.0450	-.0471	-.0487
3.98	-.0413	-.0432	-.0452	-.0473	-.0487
4.00	-.0417	-.0435	-.0455	-.0474	-.0487
4.02	-.0421	-.0438	-.0457	-.0475	-.0486
4.04	-.0425	-.0441	-.0459	-.0476	-.0486
4.06	-.0428	-.0444	-.0461	-.0477	-.0486
4.08	-.0432	-.0447	-.0462	-.0477	-.0485
4.10	-.0435	-.0449	-.0464	-.0478	-.0485
4.12	-.0438	-.0451	-.0465	-.0478	-.0484
4.14	-.0441	-.0453	-.0467	-.0478	-.0483
4.16	-.0444	-.0455	-.0468	-.0478	-.0482
4.18	-.0447	-.0457	-.0469	-.0479	-.0481
4.20	-.0449	-.0459	-.0470	-.0478	-.0480
4.22	-.0451	-.0461	-.0470	-.0478	-.0479
4.24	-.0453	-.0462	-.0471	-.0478	-.0478
4.26	-.0455	-.0463	-.0471	-.0478	-.0476
4.28	-.0457	-.0464	-.0472	-.0477	-.0475
4.30	-.0459	-.0465	-.0472	-.0477	-.0474
4.32	-.0460	-.0466	-.0472	-.0476	-.0472
4.34	-.0462	-.0467	-.0472	-.0475	-.0470
4.36	-.0463	-.0468	-.0472	-.0474	-.0469
4.38	-.0464	-.0468	-.0472	-.0473	-.0467
4.40	-.0465	-.0469	-.0472	-.0472	-.0465
4.42	-.0466	-.0469	-.0471	-.0471	-.0463
4.44	-.0466	-.0469	-.0471	-.0470	-.0461
4.46	-.0467	-.0469	-.0470	-.0469	-.0459
4.48	-.0468	-.0469	-.0470	-.0467	-.0457

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	-.0379	-.0396	-.0384	-.0362	-.0340
3.02	-.0386	-.0401	-.0388	-.0365	-.0342
3.04	-.0392	-.0406	-.0391	-.0367	-.0344
3.06	-.0397	-.0410	-.0394	-.0370	-.0347
3.08	-.0403	-.0414	-.0397	-.0372	-.0349
3.10	-.0408	-.0418	-.0400	-.0374	-.0351
3.12	-.0413	-.0422	-.0403	-.0377	-.0352
3.14	-.0418	-.0426	-.0405	-.0379	-.0354
3.16	-.0423	-.0429	-.0408	-.0381	-.0356
3.18	-.0427	-.0432	-.0410	-.0382	-.0357
3.20	-.0431	-.0436	-.0412	-.0384	-.0358
3.22	-.0435	-.0439	-.0414	-.0385	-.0360
3.24	-.0439	-.0441	-.0416	-.0387	-.0361
3.26	-.0443	-.0444	-.0418	-.0388	-.0362
3.28	-.0446	-.0446	-.0419	-.0389	-.0363
3.30	-.0450	-.0449	-.0421	-.0390	-.0364
3.32	-.0453	-.0451	-.0422	-.0391	-.0365
3.34	-.0456	-.0453	-.0423	-.0392	-.0365
3.36	-.0459	-.0455	-.0424	-.0393	-.0366
3.38	-.0461	-.0457	-.0425	-.0394	-.0366
3.40	-.0464	-.0458	-.0426	-.0394	-.0367
3.42	-.0466	-.0460	-.0427	-.0395	-.0367
3.44	-.0468	-.0461	-.0428	-.0395	-.0367
3.46	-.0470	-.0462	-.0428	-.0395	-.0368
3.48	-.0472	-.0463	-.0429	-.0396	-.0368
3.50	-.0474	-.0464	-.0429	-.0396	-.0368
3.52	-.0475	-.0465	-.0429	-.0396	-.0368
3.54	-.0477	-.0466	-.0429	-.0396	-.0367
3.56	-.0478	-.0466	-.0430	-.0396	-.0367
3.58	-.0479	-.0467	-.0429	-.0395	-.0367
3.60	-.0480	-.0467	-.0429	-.0395	-.0367
3.62	-.0481	-.0467	-.0429	-.0395	-.0366
3.64	-.0482	-.0468	-.0429	-.0394	-.0366
3.66	-.0482	-.0468	-.0428	-.0394	-.0365
3.68	-.0483	-.0467	-.0428	-.0393	-.0365
3.70	-.0483	-.0467	-.0427	-.0393	-.0364
3.72	-.0483	-.0467	-.0427	-.0392	-.0363
3.74	-.0484	-.0467	-.0426	-.0391	-.0362
3.76	-.0484	-.0466	-.0425	-.0390	-.0361
3.78	-.0484	-.0466	-.0425	-.0389	-.0361
3.80	-.0483	-.0465	-.0424	-.0388	-.0360
3.82	-.0483	-.0464	-.0423	-.0387	-.0359
3.84	-.0483	-.0464	-.0422	-.0386	-.0358
3.86	-.0482	-.0463	-.0420	-.0385	-.0356
3.88	-.0482	-.0462	-.0419	-.0384	-.0355
3.90	-.0481	-.0461	-.0418	-.0383	-.0354
3.92	-.0480	-.0460	-.0417	-.0381	-.0353
3.94	-.0479	-.0458	-.0415	-.0380	-.0352
3.96	-.0479	-.0457	-.0414	-.0379	-.0350
3.98	-.0478	-.0456	-.0413	-.0377	-.0349
4.00	-.0476	-.0454	-.0411	-.0376	-.0347
4.02	-.0475	-.0453	-.0409	-.0374	-.0346
4.04	-.0474	-.0451	-.0408	-.0373	-.0345
4.06	-.0473	-.0450	-.0406	-.0371	-.0343
4.08	-.0471	-.0448	-.0404	-.0369	-.0341
4.10	-.0470	-.0446	-.0403	-.0368	-.0340
4.12	-.0468	-.0445	-.0401	-.0366	-.0338
4.14	-.0467	-.0443	-.0399	-.0364	-.0337
4.16	-.0465	-.0441	-.0397	-.0363	-.0335
4.18	-.0463	-.0439	-.0395	-.0361	-.0333
4.20	-.0462	-.0437	-.0393	-.0359	-.0332
4.22	-.0460	-.0435	-.0391	-.0357	-.0330
4.24	-.0458	-.0433	-.0389	-.0355	-.0328
4.26	-.0456	-.0431	-.0387	-.0353	-.0326
4.28	-.0454	-.0429	-.0385	-.0351	-.0324
4.30	-.0452	-.0427	-.0383	-.0349	-.0322
4.32	-.0450	-.0424	-.0381	-.0347	-.0321
4.34	-.0448	-.0422	-.0379	-.0345	-.0319
4.36	-.0445	-.0420	-.0376	-.0343	-.0317
4.38	-.0443	-.0418	-.0374	-.0341	-.0315
4.40	-.0441	-.0415	-.0372	-.0339	-.0313
4.42	-.0438	-.0413	-.0370	-.0337	-.0311
4.44	-.0436	-.0410	-.0367	-.0335	-.0309
4.46	-.0434	-.0408	-.0365	-.0333	-.0307
4.48	-.0431	-.0405	-.0363	-.0330	-.0305

$$R_1(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	-.0468	-.0469	-.0469	-.0466	-.0455
4.52	-.0468	-.0468	-.0468	-.0465	-.0453
4.54	-.0468	-.0468	-.0467	-.0463	-.0451
4.56	-.0468	-.0468	-.0466	-.0461	-.0449
4.58	-.0468	-.0467	-.0465	-.0460	-.0446
4.60	-.0468	-.0466	-.0464	-.0458	-.0444
4.62	-.0468	-.0466	-.0463	-.0456	-.0442
4.64	-.0467	-.0465	-.0461	-.0454	-.0439
4.66	-.0467	-.0464	-.0460	-.0452	-.0437
4.68	-.0466	-.0463	-.0458	-.0450	-.0434
4.70	-.0465	-.0462	-.0457	-.0448	-.0432
4.72	-.0465	-.0461	-.0455	-.0446	-.0429
4.74	-.0464	-.0459	-.0453	-.0444	-.0427
4.76	-.0463	-.0458	-.0452	-.0442	-.0424
4.78	-.0462	-.0457	-.0450	-.0440	-.0421
4.80	-.0461	-.0455	-.0448	-.0437	-.0419
4.82	-.0459	-.0454	-.0446	-.0435	-.0416
4.84	-.0458	-.0452	-.0444	-.0433	-.0413
4.86	-.0457	-.0450	-.0442	-.0430	-.0411
4.88	-.0455	-.0449	-.0440	-.0428	-.0408
4.90	-.0454	-.0447	-.0438	-.0425	-.0405
4.92	-.0452	-.0445	-.0436	-.0423	-.0402
4.94	-.0451	-.0443	-.0434	-.0420	-.0399
4.96	-.0449	-.0441	-.0431	-.0418	-.0396
4.98	-.0447	-.0439	-.0429	-.0415	-.0393
5.00	-.0446	-.0437	-.0427	-.0412	-.0391
5.02	-.0444	-.0435	-.0424	-.0410	-.0388
5.04	-.0442	-.0433	-.0422	-.0407	-.0385
5.06	-.0440	-.0431	-.0419	-.0404	-.0382
5.08	-.0438	-.0428	-.0417	-.0401	-.0379
5.10	-.0436	-.0426	-.0414	-.0399	-.0376
5.12	-.0434	-.0424	-.0412	-.0396	-.0373
5.14	-.0432	-.0421	-.0409	-.0393	-.0370
5.16	-.0429	-.0419	-.0407	-.0390	-.0367
5.18	-.0427	-.0417	-.0404	-.0387	-.0364
5.20	-.0425	-.0414	-.0401	-.0384	-.0361
5.22	-.0422	-.0412	-.0399	-.0382	-.0358
5.24	-.0420	-.0409	-.0396	-.0379	-.0355
5.26	-.0418	-.0406	-.0393	-.0376	-.0351
5.28	-.0415	-.0404	-.0390	-.0373	-.0348
5.30	-.0413	-.0401	-.0388	-.0370	-.0345
5.32	-.0410	-.0399	-.0385	-.0367	-.0342
5.34	-.0408	-.0396	-.0382	-.0364	-.0339
5.36	-.0405	-.0393	-.0379	-.0361	-.0336
5.38	-.0402	-.0390	-.0376	-.0358	-.0333
5.40	-.0400	-.0388	-.0373	-.0355	-.0330
5.42	-.0397	-.0385	-.0370	-.0352	-.0327
5.44	-.0394	-.0382	-.0367	-.0349	-.0324
5.46	-.0392	-.0379	-.0365	-.0346	-.0321
5.48	-.0389	-.0376	-.0362	-.0343	-.0318
5.50	-.0386	-.0374	-.0359	-.0340	-.0315
5.52	-.0383	-.0371	-.0356	-.0337	-.0312
5.54	-.0381	-.0368	-.0353	-.0334	-.0309
5.56	-.0378	-.0365	-.0350	-.0331	-.0306
5.58	-.0375	-.0362	-.0347	-.0328	-.0303
5.60	-.0372	-.0359	-.0344	-.0325	-.0300
5.62	-.0369	-.0356	-.0341	-.0322	-.0297
5.64	-.0366	-.0353	-.0338	-.0319	-.0294
5.66	-.0363	-.0350	-.0335	-.0316	-.0291
5.68	-.0361	-.0347	-.0332	-.0313	-.0288
5.70	-.0358	-.0344	-.0329	-.0310	-.0285
5.72	-.0355	-.0341	-.0326	-.0307	-.0282
5.74	-.0352	-.0338	-.0323	-.0304	-.0279
5.76	-.0349	-.0336	-.0320	-.0301	-.0276
5.78	-.0346	-.0333	-.0317	-.0298	-.0273
5.80	-.0343	-.0330	-.0314	-.0295	-.0270
5.82	-.0340	-.0327	-.0311	-.0292	-.0267
5.84	-.0337	-.0324	-.0308	-.0289	-.0264
5.86	-.0334	-.0321	-.0305	-.0286	-.0261
5.88	-.0331	-.0318	-.0302	-.0283	-.0258
5.90	-.0328	-.0315	-.0299	-.0280	-.0256
5.92	-.0325	-.0312	-.0296	-.0277	-.0253
5.94	-.0322	-.0309	-.0293	-.0274	-.0250
5.96	-.0319	-.0306	-.0290	-.0271	-.0247
5.98	-.0316	-.0303	-.0287	-.0268	-.0244

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	-.0429	-.0403	-.0360	-.0328	-.0303
4.52	-.0426	-.0400	-.0358	-.0326	-.0301
4.54	-.0424	-.0398	-.0356	-.0324	-.0299
4.56	-.0421	-.0395	-.0353	-.0321	-.0297
4.58	-.0418	-.0393	-.0351	-.0319	-.0295
4.60	-.0416	-.0390	-.0348	-.0317	-.0293
4.62	-.0413	-.0387	-.0346	-.0315	-.0290
4.64	-.0410	-.0385	-.0343	-.0312	-.0288
4.66	-.0408	-.0382	-.0341	-.0310	-.0286
4.68	-.0405	-.0379	-.0338	-.0308	-.0284
4.70	-.0402	-.0376	-.0336	-.0306	-.0282
4.72	-.0399	-.0374	-.0333	-.0303	-.0280
4.74	-.0397	-.0371	-.0331	-.0301	-.0278
4.76	-.0394	-.0368	-.0328	-.0299	-.0276
4.78	-.0391	-.0365	-.0326	-.0296	-.0273
4.80	-.0388	-.0363	-.0323	-.0294	-.0271
4.82	-.0385	-.0360	-.0321	-.0292	-.0269
4.84	-.0382	-.0357	-.0318	-.0289	-.0267
4.86	-.0379	-.0354	-.0315	-.0287	-.0265
4.88	-.0377	-.0351	-.0313	-.0285	-.0263
4.90	-.0374	-.0348	-.0310	-.0282	-.0260
4.92	-.0371	-.0346	-.0308	-.0280	-.0258
4.94	-.0368	-.0343	-.0305	-.0278	-.0256
4.96	-.0365	-.0340	-.0302	-.0275	-.0254
4.98	-.0362	-.0337	-.0300	-.0273	-.0252
5.00	-.0359	-.0334	-.0297	-.0271	-.0250
5.02	-.0356	-.0331	-.0295	-.0268	-.0247
5.04	-.0353	-.0328	-.0292	-.0266	-.0245
5.06	-.0350	-.0326	-.0290	-.0263	-.0243
5.08	-.0347	-.0323	-.0287	-.0261	-.0241
5.10	-.0344	-.0320	-.0284	-.0259	-.0239
5.12	-.0341	-.0317	-.0282	-.0256	-.0237
5.14	-.0338	-.0314	-.0279	-.0254	-.0235
5.16	-.0335	-.0311	-.0277	-.0252	-.0232
5.18	-.0332	-.0308	-.0274	-.0250	-.0230
5.20	-.0329	-.0306	-.0272	-.0247	-.0228
5.22	-.0326	-.0303	-.0269	-.0245	-.0226
5.24	-.0323	-.0300	-.0267	-.0243	-.0224
5.26	-.0320	-.0297	-.0264	-.0240	-.0222
5.28	-.0317	-.0294	-.0261	-.0238	-.0220
5.30	-.0314	-.0291	-.0259	-.0236	-.0218
5.32	-.0311	-.0289	-.0256	-.0233	-.0216
5.34	-.0308	-.0286	-.0254	-.0231	-.0214
5.36	-.0305	-.0283	-.0251	-.0229	-.0211
5.38	-.0302	-.0280	-.0249	-.0227	-.0209
5.40	-.0299	-.0277	-.0247	-.0224	-.0207
5.42	-.0296	-.0275	-.0244	-.0222	-.0205
5.44	-.0293	-.0272	-.0242	-.0220	-.0203
5.46	-.0290	-.0269	-.0239	-.0218	-.0201
5.48	-.0287	-.0266	-.0237	-.0216	-.0199
5.50	-.0284	-.0264	-.0234	-.0213	-.0197
5.52	-.0282	-.0261	-.0232	-.0211	-.0195
5.54	-.0279	-.0258	-.0229	-.0209	-.0193
5.56	-.0276	-.0256	-.0227	-.0207	-.0191
5.58	-.0273	-.0253	-.0225	-.0205	-.0189
5.60	-.0270	-.0250	-.0222	-.0203	-.0187
5.62	-.0267	-.0248	-.0220	-.0201	-.0186
5.64	-.0264	-.0245	-.0218	-.0199	-.0184
5.66	-.0262	-.0242	-.0215	-.0196	-.0182
5.68	-.0259	-.0240	-.0213	-.0194	-.0180
5.70	-.0256	-.0237	-.0211	-.0192	-.0178
5.72	-.0253	-.0234	-.0208	-.0190	-.0176
5.74	-.0250	-.0232	-.0206	-.0188	-.0174
5.76	-.0248	-.0229	-.0204	-.0186	-.0172
5.78	-.0245	-.0227	-.0202	-.0184	-.0170
5.80	-.0242	-.0224	-.0200	-.0182	-.0169
5.82	-.0240	-.0222	-.0197	-.0180	-.0167
5.84	-.0237	-.0219	-.0195	-.0178	-.0165
5.86	-.0234	-.0217	-.0193	-.0176	-.0163
5.88	-.0232	-.0214	-.0191	-.0174	-.0161
5.90	-.0229	-.0212	-.0189	-.0172	-.0160
5.92	-.0226	-.0209	-.0186	-.0170	-.0158
5.94	-.0224	-.0207	-.0184	-.0169	-.0156
5.96	-.0221	-.0205	-.0182	-.0167	-.0154
5.98	-.0218	-.0202	-.0180	-.0165	-.0153

$$R_1(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
6.00	-.0313	-.0300	-.0284	-.0265	-.0242
6.02	-.0310	-.0297	-.0281	-.0262	-.0239
6.04	-.0307	-.0294	-.0278	-.0260	-.0236
6.06	-.0304	-.0291	-.0275	-.0257	-.0233
6.08	-.0301	-.0288	-.0273	-.0254	-.0231
6.10	-.0298	-.0285	-.0270	-.0251	-.0228
6.12	-.0295	-.0282	-.0267	-.0248	-.0225
6.14	-.0293	-.0279	-.0264	-.0245	-.0223
6.16	-.0290	-.0276	-.0261	-.0243	-.0220
6.18	-.0287	-.0274	-.0258	-.0240	-.0217
6.20	-.0284	-.0271	-.0255	-.0237	-.0215
6.22	-.0281	-.0268	-.0253	-.0234	-.0212
6.24	-.0278	-.0265	-.0250	-.0232	-.0209
6.26	-.0275	-.0262	-.0247	-.0229	-.0207
6.28	-.0272	-.0259	-.0244	-.0226	-.0204
6.30	-.0269	-.0256	-.0241	-.0224	-.0202
6.32	-.0266	-.0254	-.0239	-.0221	-.0199
6.34	-.0264	-.0251	-.0236	-.0218	-.0197
6.36	-.0261	-.0248	-.0233	-.0216	-.0194
6.38	-.0258	-.0245	-.0231	-.0213	-.0192
6.40	-.0255	-.0242	-.0228	-.0211	-.0190
6.42	-.0252	-.0240	-.0225	-.0208	-.0187
6.44	-.0249	-.0237	-.0223	-.0205	-.0185
6.46	-.0247	-.0234	-.0220	-.0203	-.0182
6.48	-.0244	-.0232	-.0217	-.0200	-.0180
6.50	-.0241	-.0229	-.0215	-.0198	-.0178
6.52	-.0238	-.0226	-.0212	-.0195	-.0175
6.54	-.0236	-.0224	-.0210	-.0193	-.0173
6.56	-.0233	-.0221	-.0207	-.0191	-.0171
6.58	-.0230	-.0218	-.0204	-.0188	-.0169
6.60	-.0228	-.0216	-.0202	-.0186	-.0166
6.62	-.0225	-.0213	-.0199	-.0183	-.0164
6.64	-.0222	-.0211	-.0197	-.0181	-.0162
6.66	-.0220	-.0208	-.0195	-.0179	-.0160
6.68	-.0217	-.0205	-.0192	-.0176	-.0158
6.70	-.0215	-.0203	-.0190	-.0174	-.0156
6.72	-.0212	-.0200	-.0187	-.0172	-.0154
6.74	-.0209	-.0198	-.0185	-.0169	-.0151
6.76	-.0207	-.0195	-.0183	-.0167	-.0149
6.78	-.0204	-.0193	-.0180	-.0165	-.0147
6.80	-.0202	-.0191	-.0178	-.0163	-.0145
6.82	-.0199	-.0188	-.0176	-.0161	-.0143
6.84	-.0197	-.0186	-.0173	-.0158	-.0141
6.86	-.0194	-.0183	-.0171	-.0156	-.0139
6.88	-.0192	-.0181	-.0169	-.0154	-.0137
6.90	-.0190	-.0179	-.0166	-.0152	-.0135
6.92	-.0187	-.0176	-.0164	-.0150	-.0134
6.94	-.0185	-.0174	-.0162	-.0148	-.0132
6.96	-.0182	-.0172	-.0160	-.0146	-.0130
6.98	-.0180	-.0170	-.0158	-.0144	-.0128
7.00	-.0178	-.0167	-.0156	-.0142	-.0126
7.02	-.0175	-.0165	-.0153	-.0140	-.0124
7.04	-.0173	-.0163	-.0151	-.0138	-.0123
7.06	-.0171	-.0161	-.0149	-.0136	-.0121
7.08	-.0169	-.0159	-.0147	-.0134	-.0119
7.10	-.0166	-.0156	-.0145	-.0132	-.0117
7.12	-.0164	-.0154	-.0143	-.0130	-.0116
7.14	-.0162	-.0152	-.0141	-.0128	-.0114
7.16	-.0160	-.0150	-.0139	-.0127	-.0112
7.18	-.0158	-.0148	-.0137	-.0125	-.0111
7.20	-.0155	-.0146	-.0135	-.0123	-.0109
7.22	-.0153	-.0144	-.0133	-.0121	-.0107
7.24	-.0151	-.0142	-.0131	-.0119	-.0106
7.26	-.0149	-.0140	-.0130	-.0118	-.0104
7.28	-.0147	-.0138	-.0128	-.0116	-.0103
7.30	-.0145	-.0136	-.0126	-.0114	-.0101
7.32	-.0143	-.0134	-.0124	-.0113	-.0100
7.34	-.0141	-.0132	-.0122	-.0111	-.0098
7.36	-.0139	-.0130	-.0120	-.0109	-.0097
7.38	-.0137	-.0129	-.0119	-.0108	-.0095
7.40	-.0135	-.0127	-.0117	-.0106	-.0094
7.42	-.0133	-.0125	-.0115	-.0104	-.0092
7.44	-.0131	-.0123	-.0114	-.0103	-.0091
7.46	-.0129	-.0121	-.0112	-.0101	-.0089
7.48	-.0128	-.0119	-.0110	-.0100	-.0088

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
6.00	-.0216	-.0200	-.0178	-.0163	-.0151
6.02	-.0213	-.0197	-.0176	-.0161	-.0149
6.04	-.0211	-.0195	-.0174	-.0159	-.0148
6.06	-.0208	-.0193	-.0172	-.0157	-.0146
6.08	-.0206	-.0191	-.0170	-.0156	-.0144
6.10	-.0203	-.0188	-.0168	-.0154	-.0143
6.12	-.0201	-.0186	-.0166	-.0152	-.0141
6.14	-.0199	-.0184	-.0164	-.0150	-.0139
6.16	-.0196	-.0182	-.0162	-.0149	-.0138
6.18	-.0194	-.0179	-.0160	-.0147	-.0136
6.20	-.0191	-.0177	-.0158	-.0145	-.0135
6.22	-.0189	-.0175	-.0156	-.0143	-.0133
6.24	-.0187	-.0173	-.0154	-.0142	-.0132
6.26	-.0184	-.0171	-.0153	-.0140	-.0130
6.28	-.0182	-.0169	-.0151	-.0138	-.0129
6.30	-.0180	-.0166	-.0149	-.0137	-.0127
6.32	-.0177	-.0164	-.0147	-.0135	-.0126
6.34	-.0175	-.0162	-.0145	-.0133	-.0124
6.36	-.0173	-.0160	-.0144	-.0132	-.0123
6.38	-.0171	-.0158	-.0142	-.0130	-.0121
6.40	-.0169	-.0156	-.0140	-.0129	-.0120
6.42	-.0166	-.0154	-.0138	-.0127	-.0118
6.44	-.0164	-.0152	-.0137	-.0126	-.0117
6.46	-.0162	-.0150	-.0135	-.0124	-.0116
6.48	-.0160	-.0148	-.0133	-.0123	-.0114
6.50	-.0158	-.0146	-.0132	-.0121	-.0113
6.52	-.0156	-.0145	-.0130	-.0120	-.0112
6.54	-.0154	-.0143	-.0128	-.0118	-.0110
6.56	-.0152	-.0141	-.0127	-.0117	-.0109
6.58	-.0150	-.0139	-.0125	-.0115	-.0108
6.60	-.0148	-.0137	-.0123	-.0114	-.0106
6.62	-.0146	-.0135	-.0122	-.0112	-.0105
6.64	-.0144	-.0134	-.0120	-.0111	-.0104
6.66	-.0142	-.0132	-.0119	-.0110	-.0102
6.68	-.0140	-.0130	-.0117	-.0108	-.0101
6.70	-.0138	-.0128	-.0116	-.0107	-.0100
6.72	-.0136	-.0127	-.0114	-.0106	-.0099
6.74	-.0134	-.0125	-.0113	-.0104	-.0098
6.76	-.0133	-.0123	-.0111	-.0103	-.0096
6.78	-.0131	-.0122	-.0110	-.0102	-.0095
6.80	-.0129	-.0120	-.0108	-.0100	-.0094
6.82	-.0127	-.0118	-.0107	-.0099	-.0093
6.84	-.0125	-.0117	-.0106	-.0098	-.0092
6.86	-.0124	-.0115	-.0104	-.0097	-.0091
6.88	-.0122	-.0114	-.0103	-.0096	-.0090
6.90	-.0120	-.0112	-.0102	-.0094	-.0088
6.92	-.0119	-.0110	-.0100	-.0093	-.0087
6.94	-.0117	-.0109	-.0099	-.0092	-.0086
6.96	-.0115	-.0107	-.0098	-.0091	-.0085
6.98	-.0114	-.0106	-.0096	-.0090	-.0084
7.00	-.0112	-.0104	-.0095	-.0088	-.0083
7.02	-.0110	-.0103	-.0094	-.0087	-.0082
7.04	-.0109	-.0102	-.0093	-.0086	-.0081
7.06	-.0107	-.0100	-.0091	-.0085	-.0080
7.08	-.0106	-.0099	-.0090	-.0084	-.0079
7.10	-.0104	-.0097	-.0089	-.0083	-.0078
7.12	-.0103	-.0096	-.0088	-.0082	-.0077
7.14	-.0101	-.0095	-.0087	-.0081	-.0076
7.16	-.0100	-.0093	-.0085	-.0080	-.0075
7.18	-.0098	-.0092	-.0084	-.0079	-.0074
7.20	-.0097	-.0091	-.0083	-.0078	-.0073
7.22	-.0095	-.0089	-.0082	-.0077	-.0072
7.24	-.0094	-.0088	-.0081	-.0076	-.0072
7.26	-.0093	-.0087	-.0080	-.0075	-.0071
7.28	-.0091	-.0086	-.0079	-.0074	-.0070
7.30	-.0090	-.0084	-.0078	-.0073	-.0069
7.32	-.0089	-.0083	-.0077	-.0072	-.0068
7.34	-.0087	-.0082	-.0076	-.0071	-.0067
7.36	-.0086	-.0081	-.0075	-.0070	-.0066
7.38	-.0085	-.0080	-.0074	-.0069	-.0066
7.40	-.0084	-.0079	-.0073	-.0068	-.0065
7.42	-.0082	-.0077	-.0072	-.0068	-.0064
7.44	-.0081	-.0076	-.0071	-.0067	-.0063
7.46	-.0080	-.0075	-.0070	-.0066	-.0062
7.48	-.0079	-.0074	-.0069	-.0065	-.0062

$$R_1(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
7.50	-.0126	-.0118	-.0109	-.0098	-.0087
7.52	-.0124	-.0116	-.0107	-.0097	-.0085
7.54	-.0122	-.0114	-.0105	-.0095	-.0084
7.56	-.0120	-.0113	-.0104	-.0094	-.0083
7.58	-.0119	-.0111	-.0102	-.0092	-.0081
7.60	-.0117	-.0109	-.0101	-.0091	-.0080
7.62	-.0115	-.0108	-.0099	-.0089	-.0079
7.64	-.0113	-.0106	-.0098	-.0088	-.0078
7.66	-.0112	-.0104	-.0096	-.0087	-.0076
7.68	-.0110	-.0103	-.0095	-.0085	-.0075
7.70	-.0108	-.0101	-.0093	-.0084	-.0074
7.72	-.0107	-.0100	-.0092	-.0083	-.0073
7.74	-.0105	-.0098	-.0090	-.0081	-.0072
7.76	-.0104	-.0097	-.0089	-.0080	-.0070
7.78	-.0102	-.0095	-.0087	-.0079	-.0069
7.80	-.0100	-.0094	-.0086	-.0077	-.0068
7.82	-.0099	-.0092	-.0085	-.0076	-.0067
7.84	-.0097	-.0091	-.0083	-.0075	-.0066
7.86	-.0096	-.0089	-.0082	-.0074	-.0065
7.88	-.0094	-.0088	-.0081	-.0073	-.0064
7.90	-.0093	-.0087	-.0079	-.0071	-.0063
7.92	-.0092	-.0085	-.0078	-.0070	-.0062
7.94	-.0090	-.0084	-.0077	-.0069	-.0061
7.96	-.0089	-.0082	-.0076	-.0068	-.0060
7.98	-.0087	-.0081	-.0074	-.0067	-.0059
8.00	-.0086	-.0080	-.0073	-.0066	-.0058
8.02	-.0085	-.0079	-.0072	-.0065	-.0057
8.04	-.0083	-.0077	-.0071	-.0064	-.0056
8.06	-.0082	-.0076	-.0070	-.0062	-.0055
8.08	-.0081	-.0075	-.0068	-.0061	-.0054
8.10	-.0079	-.0074	-.0067	-.0060	-.0053
8.12	-.0078	-.0072	-.0066	-.0059	-.0052
8.14	-.0077	-.0071	-.0065	-.0058	-.0051
8.16	-.0075	-.0070	-.0064	-.0057	-.0051
8.18	-.0074	-.0069	-.0063	-.0056	-.0050
8.20	-.0073	-.0068	-.0062	-.0055	-.0049
8.22	-.0072	-.0067	-.0061	-.0055	-.0048
8.24	-.0071	-.0065	-.0060	-.0054	-.0047
8.26	-.0069	-.0064	-.0059	-.0053	-.0046
8.28	-.0068	-.0063	-.0058	-.0052	-.0046
8.30	-.0067	-.0062	-.0057	-.0051	-.0045
8.32	-.0066	-.0061	-.0056	-.0050	-.0044
8.34	-.0065	-.0060	-.0055	-.0049	-.0043
8.36	-.0064	-.0059	-.0054	-.0048	-.0043
8.38	-.0063	-.0058	-.0053	-.0047	-.0042
8.40	-.0062	-.0057	-.0052	-.0047	-.0041
8.42	-.0061	-.0056	-.0051	-.0046	-.0041
8.44	-.0060	-.0055	-.0050	-.0045	-.0040
8.46	-.0059	-.0054	-.0050	-.0044	-.0039
8.48	-.0058	-.0053	-.0049	-.0044	-.0039
8.50	-.0057	-.0052	-.0048	-.0043	-.0038
8.52	-.0056	-.0052	-.0047	-.0042	-.0037
8.54	-.0055	-.0051	-.0046	-.0041	-.0037
8.56	-.0054	-.0050	-.0045	-.0041	-.0036
8.58	-.0053	-.0049	-.0045	-.0040	-.0035
8.60	-.0052	-.0048	-.0044	-.0039	-.0035
8.62	-.0051	-.0047	-.0043	-.0038	-.0034
8.64	-.0050	-.0046	-.0042	-.0038	-.0034
8.66	-.0049	-.0045	-.0042	-.0037	-.0033
8.68	-.0048	-.0045	-.0041	-.0036	-.0032
8.70	-.0048	-.0044	-.0040	-.0036	-.0032
8.72	-.0047	-.0043	-.0039	-.0035	-.0031
8.74	-.0046	-.0042	-.0039	-.0035	-.0031
8.76	-.0045	-.0042	-.0038	-.0034	-.0030
8.78	-.0044	-.0041	-.0037	-.0033	-.0030
8.80	-.0044	-.0040	-.0037	-.0033	-.0029
8.82	-.0043	-.0039	-.0036	-.0032	-.0029
8.84	-.0042	-.0039	-.0035	-.0032	-.0028
8.86	-.0041	-.0038	-.0035	-.0031	-.0028
8.88	-.0041	-.0037	-.0034	-.0031	-.0027
8.90	-.0040	-.0037	-.0033	-.0030	-.0027
8.92	-.0039	-.0036	-.0033	-.0029	-.0026
8.94	-.0038	-.0035	-.0032	-.0029	-.0026
8.96	-.0038	-.0035	-.0032	-.0028	-.0026
8.98	-.0037	-.0034	-.0031	-.0028	-.0025

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
7.50	-.0077	-.0073	-.0068	-.0064	-.0061
7.52	-.0076	-.0072	-.0067	-.0063	-.0060
7.54	-.0075	-.0071	-.0066	-.0062	-.0059
7.56	-.0074	-.0070	-.0065	-.0062	-.0059
7.58	-.0073	-.0069	-.0064	-.0061	-.0058
7.60	-.0072	-.0068	-.0063	-.0060	-.0057
7.62	-.0071	-.0067	-.0063	-.0059	-.0057
7.64	-.0070	-.0066	-.0062	-.0059	-.0056
7.66	-.0069	-.0065	-.0061	-.0058	-.0055
7.68	-.0067	-.0064	-.0060	-.0057	-.0054
7.70	-.0066	-.0063	-.0059	-.0056	-.0054
7.72	-.0065	-.0062	-.0058	-.0056	-.0053
7.74	-.0064	-.0061	-.0058	-.0055	-.0053
7.76	-.0063	-.0060	-.0057	-.0054	-.0052
7.78	-.0062	-.0059	-.0056	-.0054	-.0051
7.80	-.0062	-.0059	-.0055	-.0053	-.0051
7.82	-.0061	-.0058	-.0055	-.0052	-.0050
7.84	-.0060	-.0057	-.0054	-.0052	-.0049
7.86	-.0059	-.0056	-.0053	-.0051	-.0049
7.88	-.0058	-.0055	-.0052	-.0050	-.0048
7.90	-.0057	-.0054	-.0052	-.0050	-.0048
7.92	-.0056	-.0054	-.0051	-.0049	-.0047
7.94	-.0055	-.0053	-.0050	-.0048	-.0047
7.96	-.0054	-.0052	-.0050	-.0048	-.0046
7.98	-.0053	-.0051	-.0049	-.0047	-.0045
8.00	-.0053	-.0051	-.0048	-.0047	-.0045
8.02	-.0052	-.0050	-.0048	-.0046	-.0044
8.04	-.0051	-.0049	-.0047	-.0046	-.0044
8.06	-.0050	-.0048	-.0047	-.0045	-.0043
8.08	-.0049	-.0048	-.0046	-.0044	-.0043
8.10	-.0049	-.0047	-.0045	-.0044	-.0042
8.12	-.0048	-.0046	-.0045	-.0043	-.0042
8.14	-.0047	-.0046	-.0044	-.0043	-.0041
8.16	-.0046	-.0045	-.0044	-.0042	-.0041
8.18	-.0046	-.0044	-.0043	-.0042	-.0040
8.20	-.0045	-.0044	-.0042	-.0041	-.0040
8.22	-.0044	-.0043	-.0042	-.0041	-.0040
8.24	-.0044	-.0042	-.0041	-.0040	-.0039
8.26	-.0043	-.0042	-.0041	-.0040	-.0039
8.28	-.0042	-.0041	-.0040	-.0039	-.0038
8.30	-.0042	-.0041	-.0040	-.0039	-.0038
8.32	-.0041	-.0040	-.0039	-.0038	-.0037
8.34	-.0040	-.0039	-.0039	-.0038	-.0037
8.36	-.0040	-.0039	-.0038	-.0038	-.0037
8.38	-.0039	-.0038	-.0038	-.0037	-.0036
8.40	-.0038	-.0038	-.0037	-.0037	-.0036
8.42	-.0038	-.0037	-.0037	-.0036	-.0035
8.44	-.0037	-.0037	-.0036	-.0036	-.0035
8.46	-.0037	-.0036	-.0036	-.0035	-.0035
8.48	-.0036	-.0036	-.0035	-.0035	-.0034
8.50	-.0036	-.0035	-.0035	-.0035	-.0034
8.52	-.0035	-.0035	-.0035	-.0034	-.0034
8.54	-.0035	-.0034	-.0034	-.0034	-.0033
8.56	-.0034	-.0034	-.0034	-.0034	-.0033
8.58	-.0033	-.0033	-.0033	-.0033	-.0033
8.60	-.0033	-.0033	-.0033	-.0033	-.0032
8.62	-.0032	-.0032	-.0033	-.0032	-.0032
8.64	-.0032	-.0032	-.0032	-.0032	-.0032
8.66	-.0032	-.0031	-.0032	-.0032	-.0031
8.68	-.0031	-.0031	-.0031	-.0031	-.0031
8.70	-.0031	-.0031	-.0031	-.0031	-.0031
8.72	-.0030	-.0030	-.0031	-.0031	-.0030
8.74	-.0030	-.0030	-.0030	-.0030	-.0030
8.76	-.0029	-.0029	-.0030	-.0030	-.0030
8.78	-.0029	-.0029	-.0030	-.0030	-.0029
8.80	-.0028	-.0029	-.0029	-.0029	-.0029
8.82	-.0028	-.0028	-.0029	-.0029	-.0029
8.84	-.0028	-.0028	-.0029	-.0029	-.0029
8.86	-.0027	-.0027	-.0028	-.0029	-.0028
8.88	-.0027	-.0027	-.0028	-.0028	-.0028
8.90	-.0026	-.0027	-.0028	-.0028	-.0028
8.92	-.0026	-.0026	-.0027	-.0028	-.0028
8.94	-.0026	-.0026	-.0027	-.0027	-.0027
8.96	-.0025	-.0026	-.0027	-.0027	-.0027
8.98	-.0025	-.0025	-.0026	-.0027	-.0027

$$R_1(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
9.00	-.0036	-.0034	-.0031	-.0027	-.0025
9.02	-.0036	-.0033	-.0030	-.0027	-.0024
9.04	-.0035	-.0032	-.0029	-.0026	-.0024
9.06	-.0034	-.0032	-.0029	-.0026	-.0023
9.08	-.0034	-.0031	-.0028	-.0026	-.0023
9.10	-.0033	-.0031	-.0028	-.0025	-.0023
9.12	-.0033	-.0030	-.0027	-.0025	-.0022
9.14	-.0032	-.0030	-.0027	-.0024	-.0022
9.16	-.0031	-.0029	-.0026	-.0024	-.0022
9.18	-.0031	-.0028	-.0026	-.0023	-.0021
9.20	-.0030	-.0028	-.0025	-.0023	-.0021
9.22	-.0030	-.0027	-.0025	-.0023	-.0021
9.24	-.0029	-.0027	-.0025	-.0022	-.0020
9.26	-.0029	-.0026	-.0024	-.0022	-.0020
9.28	-.0028	-.0026	-.0024	-.0021	-.0020
9.30	-.0028	-.0025	-.0023	-.0021	-.0019
9.32	-.0027	-.0025	-.0023	-.0021	-.0019
9.34	-.0027	-.0025	-.0022	-.0020	-.0019
9.36	-.0026	-.0024	-.0022	-.0020	-.0018
9.38	-.0026	-.0024	-.0022	-.0020	-.0018
9.40	-.0025	-.0023	-.0021	-.0019	-.0018
9.42	-.0025	-.0023	-.0021	-.0019	-.0018
9.44	-.0024	-.0022	-.0020	-.0019	-.0017
9.46	-.0024	-.0022	-.0020	-.0018	-.0017
9.48	-.0023	-.0022	-.0020	-.0018	-.0017
9.50	-.0023	-.0021	-.0019	-.0018	-.0016
9.52	-.0023	-.0021	-.0019	-.0017	-.0016
9.54	-.0022	-.0020	-.0019	-.0017	-.0016
9.56	-.0022	-.0020	-.0018	-.0017	-.0016
9.58	-.0021	-.0020	-.0018	-.0016	-.0016
9.60	-.0021	-.0019	-.0018	-.0016	-.0015
9.62	-.0021	-.0019	-.0017	-.0016	-.0015
9.64	-.0020	-.0019	-.0017	-.0016	-.0015
9.66	-.0020	-.0018	-.0017	-.0015	-.0015
9.68	-.0020	-.0018	-.0017	-.0015	-.0014
9.70	-.0019	-.0018	-.0016	-.0015	-.0014
9.72	-.0019	-.0017	-.0016	-.0015	-.0014
9.74	-.0018	-.0017	-.0016	-.0014	-.0014
9.76	-.0018	-.0017	-.0015	-.0014	-.0014
9.78	-.0018	-.0016	-.0015	-.0014	-.0013
9.80	-.0018	-.0016	-.0015	-.0014	-.0013
9.82	-.0017	-.0016	-.0015	-.0014	-.0013
9.84	-.0017	-.0016	-.0014	-.0013	-.0013
9.86	-.0017	-.0015	-.0014	-.0013	-.0013
9.88	-.0016	-.0015	-.0014	-.0013	-.0013
9.90	-.0016	-.0015	-.0014	-.0013	-.0012
9.92	-.0016	-.0015	-.0013	-.0013	-.0012
9.94	-.0015	-.0014	-.0013	-.0012	-.0012
9.96	-.0015	-.0014	-.0013	-.0012	-.0012
9.98	-.0015	-.0014	-.0013	-.0012	-.0012
10.00	-.0015	-.0014	-.0013	-.0012	-.0012

$$R_1(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
9.00	-.0024	-.0025	-.0026	-.0027	-.0027
9.02	-.0024	-.0025	-.0026	-.0026	-.0026
9.04	-.0024	-.0024	-.0026	-.0026	-.0026
9.06	-.0023	-.0024	-.0025	-.0026	-.0026
9.08	-.0023	-.0024	-.0025	-.0026	-.0026
9.10	-.0023	-.0024	-.0025	-.0025	-.0025
9.12	-.0023	-.0023	-.0025	-.0025	-.0025
9.14	-.0022	-.0023	-.0024	-.0025	-.0025
9.16	-.0022	-.0023	-.0024	-.0025	-.0025
9.18	-.0022	-.0022	-.0024	-.0025	-.0025
9.20	-.0021	-.0022	-.0024	-.0024	-.0024
9.22	-.0021	-.0022	-.0023	-.0024	-.0024
9.24	-.0021	-.0022	-.0023	-.0024	-.0024
9.26	-.0020	-.0021	-.0023	-.0024	-.0024
9.28	-.0020	-.0021	-.0023	-.0023	-.0024
9.30	-.0020	-.0021	-.0022	-.0023	-.0023
9.32	-.0020	-.0021	-.0022	-.0023	-.0023
9.34	-.0019	-.0020	-.0022	-.0023	-.0023
9.36	-.0019	-.0020	-.0022	-.0023	-.0023
9.38	-.0019	-.0020	-.0022	-.0023	-.0023
9.40	-.0019	-.0020	-.0021	-.0022	-.0023
9.42	-.0018	-.0020	-.0021	-.0022	-.0022
9.44	-.0018	-.0019	-.0021	-.0022	-.0022
9.46	-.0018	-.0019	-.0021	-.0022	-.0022
9.48	-.0018	-.0019	-.0021	-.0022	-.0022
9.50	-.0018	-.0019	-.0021	-.0021	-.0022
9.52	-.0017	-.0019	-.0020	-.0021	-.0022
9.54	-.0017	-.0018	-.0020	-.0021	-.0021
9.56	-.0017	-.0018	-.0020	-.0021	-.0021
9.58	-.0017	-.0018	-.0020	-.0021	-.0021
9.60	-.0017	-.0018	-.0020	-.0021	-.0021
9.62	-.0016	-.0018	-.0020	-.0021	-.0021
9.64	-.0016	-.0017	-.0019	-.0020	-.0021
9.66	-.0016	-.0017	-.0019	-.0020	-.0021
9.68	-.0016	-.0017	-.0019	-.0020	-.0020
9.70	-.0016	-.0017	-.0019	-.0020	-.0020
9.72	-.0015	-.0017	-.0019	-.0020	-.0020
9.74	-.0015	-.0017	-.0019	-.0020	-.0020
9.76	-.0015	-.0016	-.0019	-.0020	-.0020
9.78	-.0015	-.0016	-.0018	-.0019	-.0020
9.80	-.0015	-.0016	-.0018	-.0019	-.0020
9.82	-.0015	-.0016	-.0018	-.0019	-.0020
9.84	-.0015	-.0016	-.0018	-.0019	-.0019
9.86	-.0014	-.0016	-.0018	-.0019	-.0019
9.88	-.0014	-.0016	-.0018	-.0019	-.0019
9.90	-.0014	-.0016	-.0018	-.0019	-.0019
9.92	-.0014	-.0015	-.0018	-.0019	-.0019
9.94	-.0014	-.0015	-.0017	-.0019	-.0019
9.96	-.0014	-.0015	-.0017	-.0018	-.0019
9.98	-.0014	-.0015	-.0017	-.0018	-.0019
10.00	-.0013	-.0015	-.0017	-.0018	-.0019

$R_2(x, r)$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.989680	.940422	.878595	.798032	.686779
.04	.978739	.926891	.862421	.779396	.666466
.06	.967205	.912895	.845931	.760613	.646188
.08	.955108	.898463	.829150	.741704	.625962
.10	.942475	.883622	.812104	.722692	.605807
.12	.929335	.868398	.794818	.703599	.585738
.14	.915716	.852819	.777316	.684446	.565774
.16	.901645	.836909	.759622	.665252	.545929
.18	.887150	.820695	.741758	.646039	.526219
.20	.872257	.804202	.723748	.626826	.506659
.22	.856993	.787454	.705614	.607631	.487263
.24	.841384	.770477	.687377	.588473	.468044
.26	.825457	.753293	.669059	.569369	.449017
.28	.809235	.735925	.650681	.550337	.430192
.30	.792745	.718398	.632262	.531392	.411583
.32	.776010	.700733	.613822	.512552	.393200
.34	.759055	.682951	.595380	.493831	.375054
.36	.741903	.665074	.576955	.475244	.357155
.38	.724577	.647124	.558563	.456805	.339514
.40	.707100	.629119	.540224	.438528	.322138
.42	.689494	.611080	.521952	.420426	.305037
.44	.671780	.593025	.503764	.402512	.288219
.46	.653979	.574973	.485676	.384797	.271691
.48	.636112	.556943	.467703	.367292	.255461
.50	.618198	.538951	.449859	.350009	.239534
.52	.600257	.521015	.432158	.332957	.223917
.54	.582308	.503149	.414613	.316147	.208615
.56	.564368	.485372	.397237	.299587	.193633
.58	.546456	.467696	.380042	.283286	.178976
.60	.528588	.450137	.363039	.267252	.164648
.62	.510782	.432709	.346240	.251493	.150652
.64	.493052	.415426	.329655	.236015	.136992
.66	.475415	.398299	.313293	.220826	.123670
.68	.457885	.381342	.297165	.205930	.110688
.70	.440476	.364566	.281279	.191335	.098050
.72	.423203	.347982	.265643	.177044	.085755
.74	.406078	.331601	.250266	.163063	.073805
.76	.389114	.315434	.235154	.149395	.062201
.78	.372323	.299489	.220314	.136044	.050943
.80	.355716	.283775	.205753	.123013	.040031
.82	.339305	.268302	.191476	.110306	.029465
.84	.323099	.253077	.177489	.097925	.019244
.86	.307109	.238108	.163797	.085871	.009367
.88	.291344	.223402	.150403	.074146	-.000168
.90	.275812	.208965	.137313	.062752	-.009361
.92	.260523	.194803	.124529	.051688	-.018216
.94	.245483	.180922	.112055	.040957	-.026734
.96	.230700	.167327	.099893	.030557	-.034917
.98	.216182	.154023	.088046	.020489	-.042769
1.00	.201933	.141013	.076516	.010751	-.050292
1.02	.187960	.128302	.065303	.001344	-.057491
1.04	.174269	.115893	.054410	-.007735	-.064367
1.06	.160864	.103788	.043836	-.016486	-.070926
1.08	.147749	.091991	.033583	-.024912	-.077170
1.10	.134930	.080503	.023650	-.033014	-.083105
1.12	.122408	.069327	.014037	-.040795	-.088733
1.14	.110188	.058462	.004743	-.048258	-.094061
1.16	.098272	.047912	-.004232	-.055406	-.099091
1.18	.086662	.037675	-.012889	-.062240	-.103830
1.20	.075361	.027752	-.021231	-.068766	-.108282
1.22	.064370	.018144	-.029259	-.074986	-.112452
1.24	.053690	.008850	-.036974	-.080904	-.116346
1.26	.043322	-.000132	-.044381	-.086524	-.119968
1.28	.033267	-.008801	-.051480	-.091850	-.123324
1.30	.023524	-.017159	-.058274	-.096886	-.126420
1.32	.014093	-.025208	-.064768	-.101637	-.129261
1.34	.004975	-.032950	-.070963	-.106108	-.131853
1.36	-.003833	-.040386	-.076863	-.110302	-.134202
1.38	-.012330	-.047519	-.082473	-.114226	-.136313
1.40	-.020519	-.054352	-.087796	-.117883	-.138192
1.42	-.028401	-.060888	-.092835	-.121280	-.139846
1.44	-.035978	-.067129	-.097596	-.124421	-.141279
1.46	-.043252	-.073078	-.102082	-.127311	-.142500
1.48	-.050226	-.078740	-.106297	-.129957	-.143512

$$R_2(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.557216	.481034	.391515	.338522	.302493
.04	.537239	.462269	.375000	.323704	.288963
.06	.517431	.443715	.358712	.309107	.275644
.08	.497806	.425383	.342659	.294737	.262340
.10	.478376	.407283	.326849	.280599	.249658
.12	.459155	.389425	.311287	.266700	.237000
.14	.440152	.371817	.295980	.253045	.226573
.16	.421380	.354468	.280934	.239638	.212380
.18	.402848	.337386	.266155	.226483	.200424
.20	.384567	.320578	.251649	.213585	.188710
.22	.366546	.304052	.237419	.200947	.177239
.24	.348794	.287813	.223470	.188573	.166015
.26	.331319	.271869	.209806	.176466	.155040
.28	.314129	.256225	.196431	.164628	.144317
.30	.297231	.240885	.183348	.153062	.133847
.32	.280633	.225856	.170560	.141769	.123431
.34	.264340	.211140	.158069	.130752	.113672
.36	.248358	.196742	.145877	.120012	.103969
.38	.232694	.182666	.133987	.109549	.094524
.40	.217351	.168914	.122399	.099365	.085337
.42	.202334	.155489	.111115	.089460	.076409
.44	.187647	.142393	.100136	.079834	.067739
.46	.173294	.129629	.089462	.070488	.059326
.48	.159278	.117197	.079093	.061421	.051171
.50	.145601	.105099	.069029	.052632	.043273
.52	.132267	.093336	.059270	.044120	.035630
.54	.119276	.081908	.049815	.035886	.028241
.56	.106630	.070815	.040663	.027926	.021106
.58	.094330	.060056	.031813	.020240	.014222
.60	.082378	.049632	.023264	.012826	.007588
.62	.070773	.039542	.015013	.005683	.001201
.64	.059515	.029783	.007059	-.001193	-.004940
.66	.048605	.020356	-.000601	-.007804	-.010838
.68	.038040	.011257	-.007969	-.014151	-.016495
.70	.027822	.002486	-.015047	-.020237	-.021914
.72	.017947	-.005961	-.021838	-.026067	-.027098
.74	.008415	-.014085	-.028346	-.031641	-.032849
.76	-.000777	-.021890	-.034573	-.036965	-.036771
.78	-.009630	-.029378	-.040523	-.042040	-.041267
.80	-.018147	-.036553	-.046199	-.046871	-.045541
.82	-.026330	-.043418	-.051605	-.051461	-.049595
.84	-.034184	-.049977	-.056745	-.055813	-.053433
.86	-.041710	-.056233	-.061623	-.059932	-.057059
.88	-.048912	-.062191	-.066243	-.063821	-.060476
.90	-.055794	-.067854	-.070609	-.067485	-.063489
.92	-.062360	-.073228	-.074725	-.070928	-.066700
.94	-.068614	-.078315	-.078597	-.074153	-.069515
.96	-.074559	-.083122	-.082228	-.077166	-.072137
.98	-.080201	-.087652	-.085623	-.079970	-.074571
1.00	-.085543	-.091911	-.088787	-.082569	-.076819
1.02	-.090592	-.095903	-.091724	-.084969	-.078888
1.04	-.095350	-.099634	-.094441	-.087174	-.080760
1.06	-.099824	-.103109	-.096940	-.089189	-.082500
1.08	-.104018	-.106333	-.099228	-.091018	-.084052
1.10	-.107939	-.109312	-.101310	-.092665	-.085441
1.12	-.111590	-.112050	-.103190	-.094136	-.086671
1.14	-.114978	-.114533	-.104874	-.095435	-.087747
1.16	-.118108	-.116828	-.106367	-.096567	-.088672
1.18	-.120985	-.118879	-.107673	-.097537	-.089451
1.20	-.123616	-.120712	-.108800	-.098349	-.090089
1.22	-.126006	-.122333	-.109750	-.099008	-.090590
1.24	-.128161	-.123748	-.110530	-.099519	-.090958
1.26	-.130087	-.124962	-.111145	-.099887	-.091198
1.28	-.131790	-.125980	-.111601	-.100116	-.091314
1.30	-.133275	-.126810	-.111901	-.100212	-.091310
1.32	-.134549	-.127456	-.112052	-.100178	-.091191
1.34	-.135618	-.127925	-.112059	-.100019	-.090961
1.36	-.136487	-.128222	-.111926	-.099741	-.090624
1.38	-.137163	-.128352	-.111659	-.099347	-.090184
1.40	-.137651	-.128322	-.111264	-.098843	-.089646
1.42	-.137959	-.128138	-.110744	-.098233	-.089014
1.44	-.138091	-.127804	-.110105	-.097521	-.088292
1.46	-.138053	-.127327	-.109353	-.096712	-.087484
1.48	-.137853	-.126712	-.108491	-.095810	-.086593

$$R_2(x, r)$$

x \ r	1.	1.1	1.25	1.5	2.0
1.50	-.056902	-.084118	-.110247	-.132363	-.144323
1.52	-.0633	-.0892	-.1140	-.1345	-.1449
1.54	-.0694	-.0940	-.1174	-.1365	-.1454
1.56	-.0752	-.0986	-.1206	-.1382	-.1456
1.58	-.0807	-.1029	-.1235	-.1397	-.1457
1.60	-.0859	-.1069	-.1262	-.1410	-.1456
1.62	-.0909	-.1106	-.1287	-.1421	-.1453
1.64	-.0956	-.1141	-.1309	-.1430	-.1449
1.66	-.1000	-.1174	-.1329	-.1437	-.1443
1.68	-.1041	-.1204	-.1347	-.1442	-.1435
1.70	-.1080	-.1232	-.1363	-.1445	-.1427
1.72	-.1117	-.1257	-.1376	-.1446	-.1417
1.74	-.1151	-.1280	-.1388	-.1446	-.1405
1.76	-.1182	-.1301	-.1397	-.1444	-.1393
1.78	-.1211	-.1320	-.1405	-.1441	-.1379
1.80	-.1237	-.1336	-.1411	-.1436	-.1364
1.82	-.1262	-.1351	-.1415	-.1429	-.1348
1.84	-.1284	-.1363	-.1417	-.1422	-.1331
1.86	-.1304	-.1374	-.1418	-.1412	-.1313
1.88	-.1321	-.1382	-.1417	-.1402	-.1294
1.90	-.1337	-.1389	-.1414	-.1390	-.1274
1.92	-.1350	-.1394	-.1410	-.1377	-.1253
1.94	-.1362	-.1397	-.1405	-.1363	-.1232
1.96	-.1372	-.1399	-.1398	-.1348	-.1210
1.98	-.1379	-.1398	-.1389	-.1331	-.1187
2.00	-.1385	-.1397	-.1380	-.1314	-.1164
2.02	-.1389	-.1393	-.1369	-.1296	-.1140
2.04	-.1392	-.1389	-.1357	-.1277	-.1115
2.06	-.1393	-.1382	-.1344	-.1257	-.1091
2.08	-.1392	-.1375	-.1329	-.1237	-.1065
2.10	-.1389	-.1366	-.1314	-.1215	-.1040
2.12	-.1386	-.1356	-.1298	-.1193	-.1013
2.14	-.1380	-.1345	-.1281	-.1171	-.0987
2.16	-.1374	-.1332	-.1263	-.1148	-.0960
2.18	-.1366	-.1319	-.1244	-.1124	-.0934
2.20	-.1356	-.1304	-.1224	-.1100	-.0907
2.22	-.1346	-.1289	-.1204	-.1075	-.0879
2.24	-.1334	-.1272	-.1183	-.1050	-.0852
2.26	-.1321	-.1255	-.1161	-.1025	-.0825
2.28	-.1307	-.1237	-.1138	-.0999	-.0797
2.30	-.1292	-.1218	-.1116	-.0973	-.0770
2.32	-.1277	-.1198	-.1092	-.0947	-.0742
2.34	-.1260	-.1178	-.1068	-.0920	-.0715
2.36	-.1242	-.1156	-.1044	-.0893	-.0688
2.38	-.1224	-.1135	-.1020	-.0867	-.0661
2.40	-.1205	-.1112	-.0995	-.0840	-.0633
2.42	-.1185	-.1090	-.0969	-.0813	-.0607
2.44	-.1164	-.1066	-.0944	-.0786	-.0580
2.46	-.1143	-.1043	-.0918	-.0759	-.0553
2.48	-.1121	-.1019	-.0892	-.0732	-.0527
2.50	-.1099	-.0994	-.0866	-.0705	-.0501
2.52	-.1076	-.0970	-.0840	-.0678	-.0475
2.54	-.1052	-.0945	-.0814	-.0651	-.0450
2.56	-.1029	-.0919	-.0787	-.0625	-.0425
2.58	-.1005	-.0894	-.0761	-.0598	-.0400
2.60	-.0980	-.0868	-.0734	-.0572	-.0375
2.62	-.0955	-.0843	-.0708	-.0546	-.0351
2.64	-.0930	-.0817	-.0682	-.0520	-.0327
2.66	-.0905	-.0791	-.0656	-.0495	-.0304
2.68	-.0880	-.0765	-.0630	-.0470	-.0281
2.70	-.0854	-.0739	-.0604	-.0445	-.0259
2.72	-.0828	-.0713	-.0578	-.0420	-.0236
2.74	-.0803	-.0687	-.0553	-.0396	-.0215
2.76	-.0777	-.0661	-.0527	-.0372	-.0194
2.78	-.0751	-.0635	-.0502	-.0348	-.0173
2.80	-.0725	-.0610	-.0477	-.0325	-.0152
2.82	-.0699	-.0584	-.0453	-.0302	-.0133
2.84	-.0674	-.0559	-.0428	-.0279	-.0113
2.86	-.0648	-.0534	-.0405	-.0257	-.0094
2.88	-.0622	-.0509	-.0381	-.0236	-.0076
2.90	-.0597	-.0485	-.0358	-.0214	-.0058
2.92	-.0572	-.0460	-.0335	-.0194	-.0041
2.94	-.0547	-.0436	-.0312	-.0173	-.0024
2.96	-.0522	-.0413	-.0290	-.0153	-.0007
2.98	-.0497	-.0389	-.0268	-.0134	-.0008

$$R_2(x, r)$$

$x \quad r$	3.0	4.0	6.0	8.0	10.0
1.50	-.137495	-.125964	-.107525	-.094819	-.085625
1.52	-.1370	-.1251	-.1065	-.0937	-.0846
1.54	-.1363	-.1241	-.1053	-.0926	-.0835
1.56	-.1355	-.1230	-.1040	-.0914	-.0823
1.58	-.1346	-.1218	-.1027	-.0901	-.0810
1.60	-.1335	-.1204	-.1013	-.0887	-.0797
1.62	-.1324	-.1190	-.0998	-.0873	-.0784
1.64	-.1311	-.1175	-.0982	-.0858	-.0770
1.66	-.1297	-.1159	-.0966	-.0842	-.0755
1.68	-.1281	-.1142	-.0949	-.0826	-.0740
1.70	-.1265	-.1124	-.0932	-.0810	-.0725
1.72	-.1248	-.1105	-.0913	-.0793	-.0709
1.74	-.1230	-.1086	-.0895	-.0775	-.0693
1.76	-.1211	-.1066	-.0876	-.0758	-.0676
1.78	-.1192	-.1046	-.0856	-.0740	-.0659
1.80	-.1171	-.1025	-.0836	-.0721	-.0642
1.82	-.1150	-.1003	-.0816	-.0702	-.0625
1.84	-.1128	-.0981	-.0796	-.0684	-.0608
1.86	-.1106	-.0959	-.0775	-.0664	-.0590
1.88	-.1083	-.0936	-.0754	-.0645	-.0572
1.90	-.1060	-.0912	-.0732	-.0626	-.0554
1.92	-.1036	-.0889	-.0711	-.0606	-.0536
1.94	-.1011	-.0865	-.0689	-.0586	-.0518
1.96	-.0987	-.0841	-.0667	-.0567	-.0500
1.98	-.0962	-.0816	-.0645	-.0547	-.0482
2.00	-.0936	-.0792	-.0623	-.0527	-.0464
2.02	-.0911	-.0767	-.0601	-.0507	-.0445
2.04	-.0885	-.0743	-.0579	-.0487	-.0427
2.06	-.0859	-.0718	-.0557	-.0467	-.0409
2.08	-.0833	-.0693	-.0535	-.0448	-.0391
2.10	-.0806	-.0668	-.0513	-.0428	-.0373
2.12	-.0780	-.0643	-.0492	-.0409	-.0355
2.14	-.0753	-.0618	-.0470	-.0389	-.0338
2.16	-.0727	-.0594	-.0448	-.0370	-.0320
2.18	-.0701	-.0569	-.0427	-.0351	-.0303
2.20	-.0674	-.0544	-.0406	-.0332	-.0286
2.22	-.0648	-.0520	-.0385	-.0313	-.0269
2.24	-.0622	-.0496	-.0364	-.0295	-.0252
2.26	-.0596	-.0472	-.0343	-.0276	-.0235
2.28	-.0570	-.0448	-.0323	-.0258	-.0219
2.30	-.0544	-.0425	-.0302	-.0241	-.0203
2.32	-.0518	-.0401	-.0283	-.0223	-.0187
2.34	-.0493	-.0378	-.0263	-.0206	-.0172
2.36	-.0468	-.0355	-.0244	-.0189	-.0156
2.38	-.0443	-.0333	-.0225	-.0172	-.0141
2.40	-.0418	-.0311	-.0206	-.0156	-.0126
2.42	-.0394	-.0289	-.0188	-.0140	-.0112
2.44	-.0370	-.0268	-.0170	-.0124	-.0098
2.46	-.0347	-.0247	-.0152	-.0109	-.0084
2.48	-.0323	-.0226	-.0135	-.0093	-.0070
2.50	-.0300	-.0205	-.0118	-.0079	-.0057
2.52	-.0278	-.0186	-.0102	-.0064	-.0044
2.54	-.0256	-.0166	-.0085	-.0050	-.0032
2.56	-.0234	-.0147	-.0070	-.0037	-.0020
2.58	-.0213	-.0128	-.0054	-.0023	-.0008
2.60	-.0192	-.0110	-.0039	-.0010	-.0004
2.62	-.0171	-.0092	-.0025	-.0002	-.0015
2.64	-.0151	-.0075	-.0011	-.0014	-.0026
2.66	-.0132	-.0058	-.0003	-.0026	-.0036
2.68	-.0113	-.0041	-.0016	-.0038	-.0047
2.70	-.0094	-.0025	-.0029	-.0049	-.0056
2.72	-.0076	-.0010	-.0042	-.0059	-.0066
2.74	-.0058	-.0005	-.0054	-.0070	-.0075
2.76	-.0041	-.0020	-.0066	-.0080	-.0084
2.78	-.0024	-.0034	-.0077	-.0089	-.0092
2.80	-.0008	-.0048	-.0088	-.0098	-.0100
2.82	-.0008	-.0061	-.0098	-.0107	-.0108
2.84	-.0023	-.0074	-.0108	-.0116	-.0116
2.86	-.0038	-.0086	-.0118	-.0124	-.0123
2.88	-.0052	-.0098	-.0127	-.0132	-.0130
2.90	-.0066	-.0110	-.0136	-.0139	-.0136
2.92	-.0079	-.0121	-.0144	-.0146	-.0142
2.94	-.0092	-.0131	-.0152	-.0153	-.0148
2.96	-.0104	-.0141	-.0160	-.0159	-.0153
2.98	-.0116	-.0151	-.0167	-.0165	-.0159

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$$R_2(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
3.00	-.0473	-.0366	-.0247	-.0115	.0024
3.02	-.0449	-.0343	-.0226	-.0097	.0039
3.04	-.0425	-.0321	-.0205	-.0079	.0053
3.06	-.0401	-.0299	-.0185	-.0061	.0067
3.08	-.0378	-.0277	-.0165	-.0044	.0080
3.10	-.0355	-.0256	-.0146	-.0028	.0093
3.12	-.0333	-.0235	-.0127	-.0012	.0105
3.14	-.0311	-.0214	-.0109	.0004	.0117
3.16	-.0289	-.0194	-.0091	.0019	.0129
3.18	-.0267	-.0175	-.0074	.0033	.0139
3.20	-.0246	-.0155	-.0057	.0047	.0150
3.22	-.0226	-.0137	-.0040	.0061	.0160
3.24	-.0205	-.0118	-.0024	.0074	.0169
3.26	-.0186	-.0100	-.0009	.0087	.0178
3.28	-.0166	-.0083	.0006	.0099	.0186
3.30	-.0147	-.0066	.0021	.0110	.0194
3.32	-.0129	-.0050	.0035	.0121	.0202
3.34	-.0111	-.0034	.0048	.0132	.0209
3.36	-.0093	-.0018	.0061	.0142	.0216
3.38	-.0076	-.0003	.0074	.0152	.0222
3.40	-.0059	.0011	.0086	.0161	.0228
3.42	-.0043	.0025	.0098	.0170	.0233
3.44	-.0028	.0039	.0109	.0178	.0238
3.46	-.0012	.0052	.0119	.0186	.0243
3.48	.0002	.0065	.0130	.0193	.0247
3.50	.0017	.0077	.0139	.0200	.0251
3.52	.0031	.0089	.0149	.0207	.0254
3.54	.0044	.0100	.0157	.0213	.0257
3.56	.0057	.0111	.0166	.0218	.0260
3.58	.0069	.0121	.0174	.0224	.0262
3.60	.0081	.0131	.0181	.0229	.0264
3.62	.0093	.0140	.0188	.0233	.0266
3.64	.0104	.0149	.0195	.0237	.0267
3.66	.0114	.0158	.0201	.0241	.0268
3.68	.0124	.0166	.0207	.0244	.0268
3.70	.0134	.0174	.0212	.0247	.0269
3.72	.0143	.0181	.0217	.0250	.0269
3.74	.0152	.0188	.0222	.0252	.0269
3.76	.0160	.0194	.0226	.0254	.0268
3.78	.0168	.0200	.0230	.0255	.0267
3.80	.0175	.0205	.0234	.0257	.0266
3.82	.0182	.0211	.0237	.0258	.0265
3.84	.0189	.0215	.0240	.0258	.0264
3.86	.0195	.0220	.0242	.0259	.0262
3.88	.0201	.0224	.0244	.0259	.0260
3.90	.0206	.0227	.0246	.0259	.0258
3.92	.0211	.0231	.0247	.0258	.0255
3.94	.0216	.0234	.0249	.0257	.0253
3.96	.0220	.0236	.0249	.0256	.0250
3.98	.0224	.0239	.0250	.0255	.0247
4.00	.0228	.0241	.0250	.0254	.0244
4.02	.0231	.0242	.0250	.0252	.0241
4.04	.0233	.0244	.0250	.0250	.0238
4.06	.0236	.0245	.0250	.0248	.0234
4.08	.0238	.0245	.0249	.0246	.0231
4.10	.0240	.0246	.0248	.0244	.0227
4.12	.0241	.0246	.0247	.0241	.0223
4.14	.0243	.0246	.0245	.0238	.0219
4.16	.0244	.0246	.0244	.0235	.0215
4.18	.0244	.0245	.0242	.0232	.0211
4.20	.0244	.0244	.0240	.0229	.0207
4.22	.0245	.0243	.0237	.0226	.0202
4.24	.0244	.0242	.0235	.0222	.0198
4.26	.0244	.0240	.0232	.0218	.0193
4.28	.0243	.0239	.0230	.0215	.0189
4.30	.0242	.0237	.0227	.0211	.0184
4.32	.0241	.0235	.0224	.0207	.0180
4.34	.0240	.0232	.0221	.0203	.0175
4.36	.0238	.0230	.0217	.0199	.0170
4.38	.0236	.0227	.0214	.0195	.0166
4.40	.0235	.0224	.0210	.0190	.0161
4.42	.0232	.0222	.0207	.0186	.0156
4.44	.0230	.0219	.0203	.0182	.0152
4.46	.0228	.0215	.0199	.0177	.0147
4.48	.0225	.0212	.0195	.0173	.0142

$$R_2(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.0127	.0160	.0174	.0170	.0163
3.02	.0138	.0169	.0180	.0176	.0168
3.04	.0148	.0177	.0186	.0181	.0172
3.06	.0158	.0185	.0192	.0185	.0176
3.08	.0168	.0192	.0197	.0190	.0180
3.10	.0176	.0199	.0202	.0194	.0183
3.12	.0185	.0206	.0207	.0197	.0186
3.14	.0193	.0212	.0211	.0201	.0189
3.16	.0201	.0218	.0215	.0204	.0192
3.18	.0208	.0223	.0219	.0206	.0194
3.20	.0215	.0228	.0222	.0209	.0196
3.22	.0221	.0232	.0225	.0211	.0198
3.24	.0227	.0237	.0228	.0213	.0199
3.26	.0232	.0240	.0230	.0215	.0200
3.28	.0237	.0244	.0232	.0216	.0202
3.30	.0242	.0247	.0234	.0217	.0202
3.32	.0246	.0250	.0235	.0218	.0203
3.34	.0250	.0252	.0236	.0219	.0203
3.36	.0253	.0254	.0237	.0219	.0203
3.38	.0256	.0256	.0238	.0219	.0203
3.40	.0259	.0257	.0238	.0219	.0203
3.42	.0262	.0259	.0238	.0219	.0203
3.44	.0264	.0259	.0238	.0219	.0202
3.46	.0265	.0260	.0238	.0218	.0201
3.48	.0267	.0260	.0237	.0217	.0200
3.50	.0268	.0260	.0237	.0216	.0199
3.52	.0269	.0260	.0236	.0215	.0198
3.54	.0269	.0260	.0234	.0213	.0197
3.56	.0269	.0259	.0233	.0212	.0195
3.58	.0269	.0258	.0231	.0210	.0193
3.60	.0269	.0257	.0230	.0208	.0191
3.62	.0268	.0255	.0228	.0206	.0189
3.64	.0267	.0253	.0226	.0204	.0187
3.66	.0266	.0252	.0223	.0202	.0185
3.68	.0265	.0250	.0221	.0199	.0183
3.70	.0263	.0247	.0218	.0197	.0180
3.72	.0261	.0245	.0216	.0194	.0178
3.74	.0259	.0242	.0213	.0191	.0175
3.76	.0257	.0240	.0210	.0189	.0172
3.78	.0255	.0237	.0207	.0186	.0170
3.80	.0252	.0234	.0204	.0183	.0167
3.82	.0249	.0230	.0201	.0179	.0164
3.84	.0246	.0227	.0197	.0176	.0161
3.86	.0243	.0224	.0194	.0173	.0158
3.88	.0240	.0220	.0190	.0170	.0155
3.90	.0237	.0217	.0187	.0166	.0151
3.92	.0233	.0213	.0183	.0163	.0148
3.94	.0230	.0209	.0179	.0159	.0145
3.96	.0226	.0205	.0175	.0156	.0142
3.98	.0222	.0201	.0172	.0152	.0138
4.00	.0218	.0197	.0168	.0149	.0135
4.02	.0214	.0193	.0164	.0145	.0131
4.04	.0210	.0188	.0160	.0141	.0128
4.06	.0206	.0184	.0156	.0138	.0125
4.08	.0201	.0180	.0152	.0134	.0121
4.10	.0197	.0175	.0148	.0130	.0118
4.12	.0192	.0171	.0144	.0127	.0114
4.14	.0188	.0167	.0140	.0123	.0111
4.16	.0183	.0162	.0136	.0119	.0108
4.18	.0179	.0158	.0131	.0115	.0104
4.20	.0174	.0153	.0127	.0112	.0101
4.22	.0170	.0149	.0123	.0108	.0097
4.24	.0165	.0144	.0119	.0104	.0094
4.26	.0160	.0140	.0115	.0101	.0091
4.28	.0156	.0135	.0111	.0097	.0087
4.30	.0151	.0131	.0107	.0093	.0084
4.32	.0146	.0126	.0103	.0090	.0081
4.34	.0141	.0122	.0099	.0086	.0077
4.36	.0137	.0117	.0095	.0083	.0074
4.38	.0132	.0113	.0092	.0079	.0071
4.40	.0127	.0109	.0088	.0076	.0068
4.42	.0123	.0104	.0084	.0072	.0065
4.44	.0118	.0100	.0080	.0069	.0062
4.46	.0114	.0096	.0076	.0066	.0059
4.48	.0109	.0092	.0073	.0062	.0056

$$R_2(x, r)$$

$\begin{matrix} r \\ x \end{matrix}$	1.0	1.1	1.25	1.5	2.0
4.50	.0222	.0209	.0191	.0168	.0137
4.52	.0219	.0205	.0187	.0164	.0133
4.54	.0216	.0202	.0183	.0159	.0128
4.56	.0213	.0198	.0179	.0155	.0123
4.58	.0210	.0194	.0175	.0150	.0119
4.60	.0206	.0190	.0170	.0146	.0114
4.62	.0203	.0186	.0166	.0141	.0109
4.64	.0199	.0182	.0162	.0136	.0105
4.66	.0195	.0178	.0157	.0132	.0100
4.68	.0191	.0174	.0153	.0127	.0096
4.70	.0187	.0170	.0148	.0123	.0092
4.72	.0184	.0165	.0144	.0118	.0087
4.74	.0179	.0161	.0139	.0114	.0083
4.76	.0175	.0157	.0135	.0109	.0079
4.78	.0171	.0153	.0131	.0105	.0074
4.80	.0167	.0148	.0126	.0100	.0070
4.82	.0163	.0144	.0122	.0096	.0066
4.84	.0159	.0140	.0117	.0092	.0062
4.86	.0154	.0135	.0113	.0087	.0058
4.88	.0150	.0131	.0109	.0083	.0054
4.90	.0146	.0126	.0104	.0079	.0051
4.92	.0141	.0122	.0100	.0075	.0047
4.94	.0137	.0118	.0096	.0071	.0043
4.96	.0133	.0113	.0091	.0067	.0040
4.98	.0128	.0109	.0087	.0063	.0036
5.00	.0124	.0105	.0083	.0059	.0033
5.02	.0120	.0101	.0079	.0055	.0029
5.04	.0115	.0096	.0075	.0051	.0026
5.06	.0111	.0092	.0071	.0048	.0023
5.08	.0107	.0088	.0067	.0044	.0020
5.10	.0103	.0084	.0063	.0041	.0017
5.12	.0098	.0080	.0059	.0037	.0014
5.14	.0094	.0076	.0056	.0034	.0011
5.16	.0090	.0072	.0052	.0031	.0008
5.18	.0086	.0068	.0048	.0027	.0006
5.20	.0082	.0064	.0045	.0024	.0003
5.22	.0078	.0060	.0041	.0021	.0001
5.24	.0074	.0057	.0038	.0018	-.0002
5.26	.0070	.0053	.0035	.0015	-.0004
5.28	.0066	.0050	.0031	.0012	-.0006
5.30	.0062	.0046	.0028	.0010	-.0008
5.32	.0059	.0043	.0025	.0007	-.0011
5.34	.0055	.0039	.0022	.0004	-.0013
5.36	.0051	.0036	.0019	.0002	-.0014
5.38	.0048	.0033	.0016	-.0000	-.0016
5.40	.0044	.0029	.0014	-.0003	-.0018
5.42	.0041	.0026	.0011	-.0005	-.0020
5.44	.0038	.0023	.0008	-.0007	-.0021
5.46	.0034	.0020	.0006	-.0009	-.0023
5.48	.0031	.0018	.0003	-.0011	-.0024
5.50	.0028	.0015	.0001	-.0013	-.0026
5.52	.0025	.0012	-.0002	-.0015	-.0027
5.54	.0022	.0009	-.0004	-.0017	-.0028
5.56	.0019	.0007	-.0006	-.0018	-.0029
5.58	.0016	.0004	-.0008	-.0020	-.0030
5.60	.0014	.0002	-.0010	-.0022	-.0031
5.62	.0011	-.0000	-.0012	-.0023	-.0032
5.64	.0008	-.0003	-.0014	-.0024	-.0033
5.66	.0006	-.0005	-.0016	-.0026	-.0034
5.68	.0003	-.0007	-.0017	-.0027	-.0035
5.70	.0001	-.0009	-.0019	-.0028	-.0035
5.72	-.0001	-.0011	-.0020	-.0029	-.0036
5.74	-.0003	-.0013	-.0022	-.0030	-.0037
5.76	-.0006	-.0014	-.0023	-.0031	-.0037
5.78	-.0008	-.0016	-.0024	-.0032	-.0037
5.80	-.0010	-.0018	-.0026	-.0033	-.0038
5.82	-.0011	-.0019	-.0027	-.0034	-.0038
5.84	-.0013	-.0021	-.0028	-.0034	-.0038
5.86	-.0015	-.0022	-.0029	-.0035	-.0039
5.88	-.0017	-.0023	-.0030	-.0036	-.0039
5.90	-.0018	-.0025	-.0031	-.0036	-.0039
5.92	-.0020	-.0026	-.0032	-.0037	-.0039
5.94	-.0021	-.0027	-.0033	-.0037	-.0039
5.96	-.0023	-.0028	-.0033	-.0037	-.0039
5.98	-.0024	-.0029	-.0034	-.0038	-.0039

$$R_2(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	.0105	.0088	.0069	.0059	.0053
4.52	.0100	.0083	.0066	.0056	.0050
4.54	.0096	.0079	.0062	.0053	.0047
4.56	.0091	.0075	.0059	.0050	.0044
4.58	.0087	.0071	.0055	.0047	.0042
4.60	.0083	.0068	.0052	.0044	.0039
4.62	.0079	.0064	.0049	.0041	.0036
4.64	.0075	.0060	.0046	.0038	.0034
4.66	.0070	.0056	.0042	.0035	.0031
4.68	.0066	.0053	.0039	.0033	.0029
4.70	.0062	.0049	.0036	.0030	.0026
4.72	.0059	.0046	.0033	.0028	.0024
4.74	.0055	.0042	.0030	.0025	.0022
4.76	.0051	.0039	.0028	.0023	.0020
4.78	.0047	.0036	.0025	.0020	.0017
4.80	.0044	.0032	.0022	.0018	.0015
4.82	.0040	.0029	.0020	.0016	.0013
4.84	.0037	.0026	.0017	.0013	.0011
4.86	.0034	.0023	.0015	.0011	.0009
4.88	.0030	.0020	.0012	.0009	.0007
4.90	.0027	.0018	.0010	.0007	.0006
4.92	.0024	.0015	.0008	.0005	.0004
4.94	.0021	.0012	.0006	.0003	.0002
4.96	.0018	.0010	.0004	.0002	.0001
4.98	.0015	.0007	.0002	-.0000	-.0001
5.00	.0012	.0005	-.0000	-.0002	-.0002
5.02	.0010	.0003	-.0002	-.0004	-.0004
5.04	.0007	.0000	-.0004	-.0005	-.0005
5.06	.0004	-.0002	-.0006	-.0007	-.0007
5.08	.0002	-.0004	-.0008	-.0008	-.0008
5.10	-.0000	-.0006	-.0009	-.0009	-.0009
5.12	-.0003	-.0008	-.0011	-.0011	-.0010
5.14	-.0005	-.0010	-.0012	-.0012	-.0011
5.16	-.0007	-.0012	-.0013	-.0013	-.0012
5.18	-.0009	-.0013	-.0015	-.0014	-.0013
5.20	-.0011	-.0015	-.0016	-.0015	-.0014
5.22	-.0013	-.0016	-.0017	-.0016	-.0015
5.24	-.0015	-.0018	-.0018	-.0017	-.0016
5.26	-.0016	-.0019	-.0020	-.0018	-.0017
5.28	-.0018	-.0021	-.0021	-.0019	-.0018
5.30	-.0020	-.0022	-.0021	-.0020	-.0018
5.32	-.0021	-.0023	-.0022	-.0021	-.0019
5.34	-.0023	-.0024	-.0023	-.0021	-.0019
5.36	-.0024	-.0025	-.0024	-.0022	-.0020
5.38	-.0025	-.0026	-.0025	-.0022	-.0020
5.40	-.0026	-.0027	-.0025	-.0023	-.0021
5.42	-.0027	-.0028	-.0026	-.0023	-.0021
5.44	-.0029	-.0029	-.0027	-.0024	-.0022
5.46	-.0029	-.0030	-.0027	-.0024	-.0022
5.48	-.0030	-.0030	-.0028	-.0025	-.0022
5.50	-.0031	-.0031	-.0028	-.0025	-.0023
5.52	-.0032	-.0031	-.0028	-.0025	-.0023
5.54	-.0033	-.0032	-.0029	-.0025	-.0023
5.56	-.0033	-.0032	-.0029	-.0026	-.0023
5.58	-.0034	-.0033	-.0029	-.0026	-.0023
5.60	-.0035	-.0033	-.0029	-.0026	-.0023
5.62	-.0035	-.0033	-.0029	-.0026	-.0023
5.64	-.0035	-.0034	-.0029	-.0026	-.0023
5.66	-.0036	-.0034	-.0030	-.0026	-.0023
5.68	-.0036	-.0034	-.0030	-.0026	-.0023
5.70	-.0036	-.0034	-.0030	-.0026	-.0023
5.72	-.0037	-.0034	-.0029	-.0026	-.0023
5.74	-.0037	-.0034	-.0029	-.0026	-.0023
5.76	-.0037	-.0034	-.0029	-.0026	-.0023
5.78	-.0037	-.0034	-.0029	-.0025	-.0023
5.80	-.0037	-.0034	-.0029	-.0025	-.0023
5.82	-.0037	-.0034	-.0029	-.0025	-.0022
5.84	-.0037	-.0034	-.0028	-.0025	-.0022
5.86	-.0037	-.0033	-.0028	-.0024	-.0022
5.88	-.0037	-.0033	-.0028	-.0024	-.0022
5.90	-.0036	-.0033	-.0028	-.0024	-.0021
5.92	-.0036	-.0033	-.0027	-.0023	-.0021
5.94	-.0036	-.0032	-.0027	-.0023	-.0021
5.96	-.0036	-.0032	-.0027	-.0023	-.0020
5.98	-.0035	-.0032	-.0026	-.0022	-.0020

$$R_2(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
6.00	-.0025	-.0030	-.0034	-.0038	-.0039
6.02	-.0026	-.0031	-.0035	-.0038	-.0039
6.04	-.0027	-.0032	-.0036	-.0038	-.0038
6.06	-.0028	-.0032	-.0036	-.0038	-.0038
6.08	-.0029	-.0033	-.0036	-.0038	-.0038
6.10	-.0030	-.0034	-.0037	-.0038	-.0038
6.12	-.0031	-.0034	-.0037	-.0038	-.0037
6.14	-.0032	-.0035	-.0037	-.0038	-.0037
6.16	-.0032	-.0035	-.0037	-.0038	-.0036
6.18	-.0033	-.0035	-.0037	-.0038	-.0036
6.20	-.0034	-.0036	-.0037	-.0038	-.0036
6.22	-.0034	-.0036	-.0037	-.0037	-.0035
6.24	-.0035	-.0036	-.0037	-.0037	-.0035
6.26	-.0035	-.0037	-.0037	-.0037	-.0034
6.28	-.0035	-.0037	-.0037	-.0037	-.0034
6.30	-.0036	-.0037	-.0037	-.0036	-.0033
6.32	-.0036	-.0037	-.0037	-.0036	-.0032
6.34	-.0036	-.0037	-.0037	-.0035	-.0032
6.36	-.0036	-.0037	-.0037	-.0035	-.0031
6.38	-.0037	-.0037	-.0036	-.0034	-.0031
6.40	-.0037	-.0037	-.0036	-.0034	-.0030
6.42	-.0037	-.0036	-.0036	-.0033	-.0029
6.44	-.0037	-.0036	-.0035	-.0033	-.0029
6.46	-.0037	-.0036	-.0035	-.0032	-.0028
6.48	-.0037	-.0036	-.0034	-.0032	-.0027
6.50	-.0036	-.0036	-.0034	-.0031	-.0027
6.52	-.0036	-.0035	-.0034	-.0031	-.0026
6.54	-.0036	-.0035	-.0033	-.0030	-.0025
6.56	-.0036	-.0035	-.0033	-.0029	-.0024
6.58	-.0036	-.0034	-.0032	-.0029	-.0024
6.60	-.0035	-.0034	-.0032	-.0028	-.0023
6.62	-.0035	-.0033	-.0031	-.0027	-.0022
6.64	-.0035	-.0033	-.0030	-.0027	-.0022
6.66	-.0034	-.0032	-.0030	-.0026	-.0021
6.68	-.0034	-.0032	-.0029	-.0025	-.0020
6.70	-.0033	-.0031	-.0029	-.0025	-.0019
6.72	-.0033	-.0031	-.0028	-.0024	-.0019
6.74	-.0032	-.0030	-.0027	-.0023	-.0018
6.76	-.0032	-.0030	-.0027	-.0023	-.0017
6.78	-.0031	-.0029	-.0026	-.0022	-.0017
6.80	-.0031	-.0028	-.0025	-.0021	-.0016
6.82	-.0030	-.0028	-.0025	-.0020	-.0015
6.84	-.0030	-.0027	-.0024	-.0020	-.0014
6.86	-.0029	-.0027	-.0023	-.0019	-.0014
6.88	-.0029	-.0026	-.0023	-.0018	-.0013
6.90	-.0028	-.0025	-.0022	-.0018	-.0012
6.92	-.0027	-.0025	-.0021	-.0017	-.0012
6.94	-.0027	-.0024	-.0021	-.0016	-.0011
6.96	-.0026	-.0023	-.0020	-.0016	-.0010
6.98	-.0026	-.0023	-.0019	-.0015	-.0010
7.00	-.0025	-.0022	-.0018	-.0014	-.0009

$$R_2(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
6.00	-.0035	-.0031	-.0026	-.0022	-.0020
6.02	-.0035	-.0031	-.0025	-.0022	-.0019
6.04	-.0034	-.0030	-.0025	-.0021	-.0019
6.06	-.0034	-.0030	-.0024	-.0021	-.0018
6.08	-.0033	-.0029	-.0024	-.0020	-.0018
6.10	-.0033	-.0029	-.0023	-.0020	-.0017
6.12	-.0032	-.0028	-.0023	-.0019	-.0017
6.14	-.0032	-.0028	-.0022	-.0019	-.0017
6.16	-.0031	-.0027	-.0022	-.0018	-.0016
6.18	-.0031	-.0027	-.0021	-.0018	-.0016
6.20	-.0030	-.0026	-.0021	-.0017	-.0015
6.22	-.0030	-.0025	-.0020	-.0017	-.0015
6.24	-.0029	-.0025	-.0020	-.0016	-.0014
6.26	-.0028	-.0024	-.0019	-.0016	-.0014
6.28	-.0028	-.0024	-.0018	-.0015	-.0013
6.30	-.0027	-.0023	-.0018	-.0015	-.0013
6.32	-.0026	-.0022	-.0017	-.0014	-.0012
6.34	-.0026	-.0022	-.0017	-.0014	-.0012
6.36	-.0025	-.0021	-.0016	-.0013	-.0011
6.38	-.0024	-.0020	-.0016	-.0013	-.0011
6.40	-.0024	-.0020	-.0015	-.0012	-.0010
6.42	-.0023	-.0019	-.0014	-.0012	-.0010
6.44	-.0022	-.0018	-.0014	-.0011	-.0009
6.46	-.0022	-.0018	-.0013	-.0011	-.0009
6.48	-.0021	-.0017	-.0013	-.0010	-.0009
6.50	-.0020	-.0016	-.0012	-.0010	-.0008
6.52	-.0020	-.0016	-.0012	-.0009	-.0008
6.54	-.0019	-.0015	-.0011	-.0009	-.0007
6.56	-.0018	-.0014	-.0010	-.0008	-.0007
6.58	-.0017	-.0014	-.0010	-.0008	-.0006
6.60	-.0017	-.0013	-.0009	-.0007	-.0006
6.62	-.0016	-.0012	-.0009	-.0007	-.0005
6.64	-.0015	-.0012	-.0008	-.0006	-.0005
6.66	-.0015	-.0011	-.0008	-.0006	-.0005
6.68	-.0014	-.0011	-.0007	-.0005	-.0004
6.70	-.0013	-.0010	-.0007	-.0005	-.0004
6.72	-.0013	-.0009	-.0006	-.0004	-.0003
6.74	-.0012	-.0009	-.0006	-.0004	-.0003
6.76	-.0011	-.0008	-.0005	-.0003	-.0002
6.78	-.0011	-.0008	-.0005	-.0003	-.0002
6.80	-.0010	-.0007	-.0004	-.0003	-.0002
6.82	-.0009	-.0006	-.0004	-.0002	-.0001
6.84	-.0009	-.0006	-.0003	-.0002	-.0001
6.86	-.0008	-.0005	-.0003	-.0001	-.0001
6.88	-.0008	-.0005	-.0002	-.0001	-.0000
6.90	-.0007	-.0004	-.0002	-.0001	.0000
6.92	-.0006	-.0004	-.0001	-.0000	.0000
6.94	-.0006	-.0003	-.0001	.0000	.0001
6.96	-.0005	-.0003	-.0001	.0000	.0001
6.98	-.0005	-.0002	-.0000	.0001	.0001
7.00	-.0004	-.0002	.0000	.0001	.0002

$R_3(x, r)$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.989187	.935695	.869394	.784348	.669252
.04	.976793	.916683	.843541	.751911	.631742
.06	.962893	.896505	.816948	.719242	.594638
.08	.947558	.875241	.789697	.686474	.557995
.10	.930866	.852968	.761866	.653620	.521869
.12	.912892	.829768	.733534	.620770	.486312
.14	.893713	.805720	.704777	.587992	.451372
.16	.873409	.780902	.675672	.555351	.417097
.18	.852058	.755394	.646292	.522912	.383531
.20	.829739	.729274	.616710	.490734	.350714
.22	.806531	.702618	.586997	.458878	.318684
.24	.782513	.675502	.557222	.427398	.287476
.26	.757764	.648002	.527452	.396349	.257125
.28	.732360	.620190	.497752	.365780	.227657
.30	.706380	.592138	.468184	.335741	.199102
.32	.679899	.563916	.438808	.306276	.171482
.34	.652991	.535592	.409683	.277429	.144820
.36	.625732	.507233	.380863	.249238	.119132
.38	.598191	.478903	.352402	.221741	.094436
.40	.570441	.450663	.324349	.194972	.070745
.42	.542549	.422574	.296753	.168962	.048068
.44	.514583	.394693	.269659	.143740	.026414
.46	.486607	.367075	.243107	.119331	.005788
.48	.458684	.339772	.217140	.095759	-.013807
.50	.430875	.312836	.191792	.073044	-.032369
.52	.403237	.286313	.167098	.051204	-.049901
.54	.375828	.260248	.143090	.030254	-.066407
.56	.348700	.234684	.119797	.010206	-.081891
.58	.321904	.209660	.097244	-.008930	-.096363
.60	.295490	.185214	.075456	-.027146	-.109833
.62	.269503	.161380	.054452	-.044437	-.122311
.64	.243987	.138190	.034251	-.060800	-.133813
.66	.218982	.115673	.014869	-.076235	-.144352
.68	.194527	.093855	-.003681	-.090743	-.153946
.70	.170658	.072761	-.021388	-.104327	-.162613
.72	.147407	.052412	-.038244	-.116995	-.170374
.74	.124805	.032826	-.054242	-.128753	-.177248
.76	.102880	.014021	-.069379	-.139610	-.183259
.78	.081657	-.003990	-.083654	-.149579	-.188430
.80	.061159	-.021195	-.097066	-.158671	-.192786
.82	.041405	-.037586	-.109618	-.166902	-.196351
.84	.022414	-.053154	-.121315	-.174287	-.199152
.86	.004200	-.067896	-.132162	-.180844	-.201217
.88	-.013224	-.081809	-.142169	-.186591	-.202572
.90	-.029847	-.094892	-.151344	-.191549	-.203247
.92	-.045660	-.107147	-.159700	-.195739	-.203270
.94	-.060659	-.118578	-.167249	-.199181	-.202670
.96	-.074840	-.129189	-.174005	-.201900	-.201476
.98	-.088200	-.138988	-.179985	-.203920	-.199718
1.00	-.100740	-.147983	-.185206	-.205264	-.197427
1.02	-.112463	-.156185	-.189685	-.205959	-.194632
1.04	-.123372	-.163606	-.193443	-.206030	-.191363
1.06	-.133474	-.170259	-.196499	-.205503	-.187650
1.08	-.142777	-.176159	-.198875	-.204405	-.183522
1.10	-.151289	-.181322	-.200594	-.202765	-.179010
1.12	-.159022	-.185765	-.201677	-.200607	-.174143
1.14	-.165989	-.189506	-.202150	-.197962	-.168949
1.16	-.172202	-.192566	-.202035	-.194856	-.163457
1.18	-.177678	-.194963	-.201357	-.191316	-.157696
1.20	-.182432	-.196719	-.200142	-.187371	-.151693
1.22	-.186482	-.197856	-.198415	-.183049	-.145475
1.24	-.189847	-.198396	-.196202	-.178376	-.139069
1.26	-.192547	-.198363	-.193529	-.173381	-.132500
1.28	-.194601	-.197781	-.190422	-.168089	-.125795
1.30	-.196030	-.196672	-.186907	-.162528	-.118977
1.32	-.196858	-.195063	-.183009	-.156724	-.112070
1.34	-.197106	-.192977	-.178756	-.150703	-.105098
1.36	-.196797	-.190440	-.174173	-.144489	-.098082
1.38	-.195956	-.187476	-.169286	-.138109	-.091045
1.40	-.194605	-.184112	-.164120	-.131585	-.084007
1.42	-.192771	-.180372	-.158701	-.124942	-.076987
1.44	-.190476	-.176281	-.153052	-.118202	-.070005
1.46	-.187747	-.171865	-.147200	-.111388	-.063079
1.48	-.184607	-.167149	-.141166	-.104522	-.056226

$$R_3(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.538312	.462687	.374928	.323464	.288654
.04	.500129	.426390	.342678	.294411	.262067
.06	.462836	.391132	.311510	.266399	.236470
.08	.426467	.356934	.281432	.239434	.211863
.10	.391054	.323816	.252452	.213516	.188247
.12	.356625	.291794	.224575	.188648	.165621
.14	.323206	.260881	.197805	.164828	.143981
.16	.290820	.231090	.172143	.142052	.123322
.18	.259487	.202429	.147588	.120317	.103638
.20	.229226	.174905	.124137	.099617	.084922
.22	.200052	.148522	.101787	.079944	.067165
.24	.171977	.123284	.080531	.061288	.050356
.26	.145012	.099190	.060361	.043640	.034483
.28	.119164	.076237	.041268	.026987	.019535
.30	.094439	.054423	.023239	.011315	.005497
.32	.070839	.033741	.006264	-.003389	-.007647
.34	.048366	.014183	-.009674	-.017143	-.019912
.36	.027016	-.004262	-.024588	-.029962	-.031316
.38	.006788	-.021604	-.038498	-.041865	-.041877
.40	-.012326	-.037858	-.051420	-.052872	-.051614
.42	-.030334	-.053038	-.063375	-.063003	-.060546
.44	-.047245	-.067162	-.074382	-.072278	-.068696
.46	-.063072	-.080247	-.084465	-.080720	-.076083
.48	-.077828	-.092314	-.093646	-.088352	-.082730
.50	-.091529	-.103383	-.101948	-.095197	-.088659
.52	-.104192	-.113476	-.109396	-.101279	-.093895
.54	-.115836	-.122617	-.116016	-.106622	-.098459
.56	-.126479	-.130831	-.121832	-.111253	-.102377
.58	-.136145	-.138142	-.126873	-.115197	-.105673
.60	-.144856	-.144578	-.131164	-.118479	-.108370
.62	-.152636	-.150165	-.134735	-.121126	-.110495
.64	-.159509	-.154931	-.137612	-.123164	-.112071
.66	-.165502	-.158905	-.139824	-.124621	-.113125
.68	-.170642	-.162116	-.141399	-.125522	-.113680
.70	-.174957	-.164594	-.142367	-.125896	-.113763
.72	-.178474	-.166369	-.142756	-.125768	-.113398
.74	-.181223	-.167470	-.142595	-.125166	-.112611
.76	-.183235	-.167929	-.141914	-.124117	-.111425
.78	-.184538	-.167777	-.140740	-.122646	-.109866
.80	-.185163	-.167044	-.139103	-.120781	-.107959
.82	-.185142	-.165760	-.137031	-.118547	-.105726
.84	-.184506	-.163958	-.134552	-.115970	-.103192
.86	-.183285	-.161668	-.131695	-.113076	-.100381
.88	-.181510	-.158920	-.128487	-.109889	-.097315
.90	-.179214	-.155745	-.124955	-.106435	-.094016
.92	-.176427	-.152172	-.121127	-.102737	-.090507
.94	-.173181	-.148231	-.117027	-.098819	-.086810
.96	-.169506	-.143952	-.112683	-.094705	-.082945
.98	-.165432	-.139364	-.108120	-.090416	-.078933
1.00	-.160991	-.134494	-.103361	-.085974	-.074794
1.02	-.156211	-.129371	-.098432	-.081401	-.070547
1.04	-.151122	-.124021	-.093355	-.076718	-.066210
1.06	-.145754	-.118472	-.088153	-.071944	-.061802
1.08	-.140134	-.112749	-.082848	-.067099	-.057341
1.10	-.134290	-.106877	-.077462	-.062202	-.052842
1.12	-.128250	-.100880	-.072014	-.057269	-.048322
1.14	-.122039	-.094783	-.066525	-.052319	-.043797
1.16	-.115684	-.088608	-.061012	-.047367	-.039280
1.18	-.109210	-.082377	-.055496	-.042430	-.034786
1.20	-.102640	-.076112	-.049991	-.037522	-.030328
1.22	-.095998	-.069832	-.044516	-.032657	-.025919
1.24	-.089307	-.063558	-.039086	-.027849	-.021570
1.26	-.082588	-.057308	-.033716	-.023110	-.017292
1.28	-.075863	-.051099	-.028419	-.018453	-.013096
1.30	-.069151	-.044949	-.023208	-.013887	-.008992
1.32	-.062471	-.038874	-.018097	-.009424	-.004988
1.34	-.055842	-.032888	-.013097	-.005072	-.001093
1.36	-.049280	-.027005	-.008217	-.000842	.002685
1.38	-.042803	-.021240	-.003469	.003260	.006340
1.40	-.036426	-.015603	.001139	.007226	.009866
1.42	-.030162	-.010108	.005599	.011048	.013256
1.44	-.024026	-.004764	.009903	.014722	.016505
1.46	-.018030	.000420	.014044	.018242	.019610
1.48	-.012186	.005433	.018016	.021603	.022567

$R_3(x, r)$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	-.181083	-.162157	-.134977	-.097624	-.049461
1.52	-.1772	-.1569	-.1287	-.0907	-.0428
1.54	-.1730	-.1514	-.1222	-.0838	-.0363
1.56	-.1684	-.1458	-.1157	-.0769	-.0299
1.58	-.1636	-.1399	-.1091	-.0701	-.0236
1.60	-.1586	-.1339	-.1025	-.0633	-.0175
1.62	-.1532	-.1278	-.0958	-.0566	-.0115
1.64	-.1477	-.1215	-.0891	-.0500	-.0058
1.66	-.1420	-.1151	-.0824	-.0435	-.0002
1.68	-.1361	-.1087	-.0758	-.0372	.0052
1.70	-.1301	-.1022	-.0692	-.0309	.0104
1.72	-.1239	-.0957	-.0626	-.0248	.0153
1.74	-.1177	-.0892	-.0562	-.0189	.0201
1.76	-.1113	-.0827	-.0498	-.0131	.0246
1.78	-.1049	-.0762	-.0435	-.0075	.0289
1.80	-.0985	-.0698	-.0374	-.0021	.0330
1.82	-.0920	-.0634	-.0313	.0032	.0369
1.84	-.0856	-.0570	-.0254	.0082	.0405
1.86	-.0791	-.0508	-.0197	.0131	.0439
1.88	-.0727	-.0446	-.0141	.0177	.0471
1.90	-.0663	-.0386	-.0087	.0221	.0500
1.92	-.0600	-.0327	-.0034	.0263	.0527
1.94	-.0537	-.0269	.0016	.0303	.0552
1.96	-.0476	-.0212	.0065	.0340	.0574
1.98	-.0415	-.0157	.0112	.0375	.0594
2.00	-.0356	-.0104	.0156	.0409	.0612
2.02	-.0298	-.0052	.0199	.0439	.0628
2.04	-.0241	-.0003	.0240	.0468	.0641
2.06	-.0186	.0046	.0278	.0494	.0653
2.08	-.0132	.0092	.0315	.0518	.0662
2.10	-.0080	.0136	.0349	.0540	.0670
2.12	-.0030	.0178	.0381	.0560	.0675
2.14	.0019	.0218	.0411	.0578	.0679
2.16	.0066	.0257	.0439	.0593	.0680
2.18	.0111	.0293	.0464	.0606	.0680
2.20	.0154	.0327	.0488	.0618	.0678
2.22	.0195	.0359	.0509	.0627	.0675
2.24	.0234	.0388	.0529	.0634	.0670
2.26	.0271	.0416	.0546	.0640	.0663
2.28	.0305	.0442	.0561	.0644	.0655
2.30	.0338	.0465	.0574	.0646	.0646
2.32	.0369	.0487	.0585	.0646	.0635
2.34	.0397	.0506	.0595	.0644	.0623
2.36	.0424	.0524	.0602	.0641	.0610
2.38	.0448	.0539	.0608	.0637	.0596
2.40	.0471	.0553	.0612	.0631	.0581
2.42	.0491	.0564	.0614	.0623	.0565
2.44	.0510	.0574	.0614	.0615	.0549
2.46	.0526	.0582	.0613	.0605	.0531
2.48	.0540	.0588	.0611	.0594	.0513
2.50	.0553	.0592	.0607	.0581	.0494
2.52	.0564	.0595	.0601	.0568	.0474
2.54	.0572	.0596	.0595	.0554	.0455
2.56	.0579	.0595	.0586	.0539	.0434
2.58	.0585	.0593	.0577	.0523	.0414
2.60	.0588	.0590	.0567	.0507	.0393
2.62	.0590	.0585	.0555	.0489	.0372
2.64	.0590	.0579	.0543	.0471	.0350
2.66	.0589	.0572	.0530	.0453	.0329
2.68	.0586	.0563	.0516	.0434	.0308
2.70	.0582	.0553	.0501	.0415	.0286
2.72	.0577	.0543	.0485	.0395	.0265
2.74	.0570	.0531	.0468	.0375	.0244
2.76	.0562	.0518	.0452	.0355	.0223
2.78	.0553	.0505	.0434	.0335	.0202
2.80	.0543	.0490	.0416	.0315	.0181
2.82	.0532	.0475	.0398	.0295	.0161
2.84	.0520	.0460	.0379	.0274	.0141
2.86	.0507	.0444	.0360	.0254	.0122
2.88	.0494	.0427	.0341	.0234	.0103
2.90	.0479	.0410	.0322	.0214	.0084
2.92	.0464	.0392	.0303	.0194	.0066
2.94	.0448	.0374	.0283	.0174	.0049
2.96	.0432	.0356	.0264	.0155	.0032
2.98	.0415	.0337	.0245	.0136	.0015

$$R_3(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	-.006505	.010269	.021814	.024802	.025372
1.52	-.0010	.0149	.0254	.0278	.0280
1.54	.0043	.0194	.0289	.0307	.0305
1.56	.0095	.0236	.0321	.0334	.0329
1.58	.0144	.0277	.0352	.0359	.0350
1.60	.0191	.0316	.0381	.0383	.0370
1.62	.0237	.0352	.0407	.0404	.0389
1.64	.0280	.0386	.0432	.0424	.0406
1.66	.0321	.0419	.0455	.0443	.0421
1.68	.0360	.0449	.0476	.0459	.0435
1.70	.0396	.0477	.0496	.0474	.0448
1.72	.0430	.0502	.0513	.0487	.0458
1.74	.0462	.0526	.0528	.0499	.0468
1.76	.0492	.0547	.0542	.0509	.0475
1.78	.0519	.0567	.0554	.0517	.0482
1.80	.0545	.0584	.0564	.0523	.0487
1.82	.0567	.0599	.0572	.0529	.0490
1.84	.0588	.0613	.0578	.0532	.0492
1.86	.0607	.0624	.0583	.0534	.0493
1.88	.0623	.0633	.0586	.0535	.0493
1.90	.0637	.0640	.0588	.0535	.0491
1.92	.0649	.0646	.0588	.0533	.0488
1.94	.0659	.0650	.0587	.0530	.0484
1.96	.0667	.0651	.0584	.0525	.0479
1.98	.0673	.0652	.0580	.0520	.0473
2.00	.0677	.0650	.0574	.0513	.0466
2.02	.0680	.0647	.0568	.0506	.0459
2.04	.0680	.0643	.0560	.0497	.0450
2.06	.0679	.0637	.0551	.0487	.0440
2.08	.0676	.0630	.0541	.0477	.0430
2.10	.0672	.0621	.0530	.0466	.0419
2.12	.0666	.0611	.0518	.0453	.0407
2.14	.0658	.0600	.0505	.0441	.0395
2.16	.0649	.0588	.0491	.0427	.0382
2.18	.0639	.0575	.0477	.0413	.0369
2.20	.0628	.0561	.0462	.0399	.0355
2.22	.0615	.0546	.0446	.0384	.0341
2.24	.0602	.0530	.0430	.0368	.0326
2.26	.0587	.0513	.0414	.0353	.0312
2.28	.0572	.0496	.0396	.0337	.0297
2.30	.0555	.0478	.0379	.0320	.0281
2.32	.0538	.0459	.0361	.0304	.0266
2.34	.0520	.0441	.0343	.0287	.0250
2.36	.0502	.0421	.0325	.0270	.0235
2.38	.0482	.0402	.0306	.0253	.0219
2.40	.0463	.0382	.0288	.0236	.0204
2.42	.0443	.0361	.0269	.0219	.0188
2.44	.0422	.0341	.0251	.0203	.0173
2.46	.0401	.0321	.0232	.0186	.0157
2.48	.0380	.0300	.0214	.0169	.0142
2.50	.0359	.0280	.0196	.0153	.0127
2.52	.0338	.0259	.0178	.0137	.0113
2.54	.0316	.0239	.0160	.0121	.0098
2.56	.0295	.0219	.0142	.0105	.0084
2.58	.0274	.0199	.0125	.0090	.0070
2.60	.0253	.0179	.0108	.0075	.0057
2.62	.0231	.0159	.0091	.0060	.0043
2.64	.0211	.0140	.0075	.0046	.0030
2.66	.0190	.0121	.0059	.0032	.0018
2.68	.0170	.0103	.0044	.0019	.0006
2.70	.0150	.0085	.0029	.0006	-.0006
2.72	.0130	.0068	.0014	-.0007	-.0017
2.74	.0111	.0051	.0000	-.0019	-.0027
2.76	.0092	.0034	-.0013	-.0030	-.0038
2.78	.0074	.0018	-.0026	-.0041	-.0047
2.80	.0056	.0003	-.0038	-.0052	-.0057
2.82	.0039	-.0012	-.0050	-.0062	-.0066
2.84	.0022	-.0027	-.0061	-.0071	-.0074
2.86	.0006	-.0040	-.0072	-.0080	-.0082
2.88	-.0010	-.0053	-.0082	-.0089	-.0089
2.90	-.0025	-.0066	-.0092	-.0097	-.0096
2.92	-.0039	-.0078	-.0101	-.0104	-.0102
2.94	-.0053	-.0089	-.0109	-.0111	-.0108
2.96	-.0066	-.0099	-.0117	-.0117	-.0113
2.98	-.0078	-.0109	-.0124	-.0123	-.0118

$$R_3(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
3.00	.0398	.0319	.0225	.0118	-.0001
3.02	.0380	.0300	.0206	.0100	-.0016
3.04	.0362	.0281	.0188	.0082	-.0031
3.06	.0344	.0262	.0169	.0065	-.0045
3.08	.0326	.0243	.0150	.0048	-.0058
3.10	.0307	.0225	.0132	.0032	-.0071
3.12	.0288	.0206	.0115	.0016	-.0083
3.14	.0270	.0188	.0097	.0001	-.0095
3.16	.0251	.0170	.0080	-.0014	-.0105
3.18	.0233	.0152	.0064	-.0028	-.0115
3.20	.0214	.0134	.0048	-.0041	-.0125
3.22	.0196	.0117	.0032	-.0054	-.0133
3.24	.0178	.0100	.0017	-.0066	-.0141
3.26	.0160	.0083	.0003	-.0078	-.0149
3.28	.0142	.0067	-.0011	-.0089	-.0156
3.30	.0125	.0051	-.0025	-.0099	-.0162
3.32	.0108	.0036	-.0037	-.0109	-.0167
3.34	.0091	.0021	-.0050	-.0118	-.0172
3.36	.0075	.0007	-.0061	-.0126	-.0176
3.38	.0059	-.0007	-.0073	-.0134	-.0180
3.40	.0044	-.0020	-.0083	-.0141	-.0182
3.42	.0029	-.0032	-.0093	-.0147	-.0185
3.44	.0015	-.0045	-.0102	-.0153	-.0187
3.46	.0001	-.0056	-.0111	-.0158	-.0188
3.48	-.0013	-.0067	-.0119	-.0163	-.0189
3.50	-.0026	-.0077	-.0126	-.0167	-.0189
3.52	-.0038	-.0087	-.0133	-.0170	-.0189
3.54	-.0050	-.0096	-.0139	-.0173	-.0188
3.56	-.0061	-.0105	-.0145	-.0175	-.0187
3.58	-.0071	-.0113	-.0150	-.0177	-.0185
3.60	-.0081	-.0120	-.0154	-.0178	-.0183
3.62	-.0091	-.0127	-.0158	-.0179	-.0181
3.64	-.0099	-.0133	-.0162	-.0179	-.0178
3.66	-.0108	-.0139	-.0164	-.0179	-.0175
3.68	-.0115	-.0144	-.0167	-.0178	-.0171
3.70	-.0122	-.0148	-.0168	-.0177	-.0168
3.72	-.0129	-.0152	-.0170	-.0176	-.0164
3.74	-.0135	-.0156	-.0170	-.0174	-.0159
3.76	-.0140	-.0159	-.0171	-.0172	-.0155
3.78	-.0145	-.0161	-.0171	-.0169	-.0150
3.80	-.0149	-.0163	-.0170	-.0166	-.0145
3.82	-.0153	-.0164	-.0169	-.0163	-.0140
3.84	-.0156	-.0165	-.0168	-.0159	-.0134
3.86	-.0158	-.0166	-.0166	-.0155	-.0129
3.88	-.0160	-.0166	-.0164	-.0151	-.0123
3.90	-.0162	-.0165	-.0161	-.0147	-.0118
3.92	-.0163	-.0164	-.0159	-.0142	-.0112
3.94	-.0164	-.0163	-.0155	-.0138	-.0106
3.96	-.0164	-.0161	-.0152	-.0133	-.0100
3.98	-.0164	-.0160	-.0148	-.0128	-.0094
4.00	-.0163	-.0157	-.0145	-.0122	-.0088
4.02	-.0162	-.0155	-.0140	-.0117	-.0082
4.04	-.0161	-.0152	-.0136	-.0112	-.0076
4.06	-.0159	-.0149	-.0132	-.0106	-.0070
4.08	-.0157	-.0145	-.0127	-.0101	-.0065
4.10	-.0155	-.0141	-.0122	-.0095	-.0059
4.12	-.0152	-.0138	-.0117	-.0089	-.0053
4.14	-.0149	-.0133	-.0112	-.0084	-.0048
4.16	-.0146	-.0129	-.0107	-.0078	-.0042
4.18	-.0142	-.0125	-.0102	-.0072	-.0037
4.20	-.0138	-.0120	-.0097	-.0067	-.0031
4.22	-.0134	-.0115	-.0091	-.0061	-.0026
4.24	-.0130	-.0110	-.0086	-.0056	-.0021
4.26	-.0126	-.0105	-.0080	-.0050	-.0016
4.28	-.0121	-.0100	-.0075	-.0045	-.0011
4.30	-.0117	-.0095	-.0070	-.0040	-.0007
4.32	-.0112	-.0090	-.0064	-.0035	-.0002
4.34	-.0107	-.0085	-.0059	-.0029	.0002
4.36	-.0102	-.0080	-.0054	-.0025	.0006
4.38	-.0097	-.0074	-.0049	-.0020	.0010
4.40	-.0092	-.0069	-.0043	-.0015	.0014
4.42	-.0087	-.0064	-.0038	-.0010	.0018
4.44	-.0082	-.0059	-.0034	-.0006	.0021
4.46	-.0077	-.0054	-.0029	-.0002	.0024
4.48	-.0071	-.0049	-.0024	.0002	.0027

$$R_3(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	-.0090	-.0119	-.0131	-.0128	-.0123
3.02	-.0101	-.0127	-.0137	-.0133	-.0127
3.04	-.0112	-.0135	-.0142	-.0137	-.0130
3.06	-.0121	-.0142	-.0147	-.0141	-.0133
3.08	-.0130	-.0149	-.0151	-.0144	-.0136
3.10	-.0139	-.0155	-.0155	-.0147	-.0138
3.12	-.0146	-.0161	-.0159	-.0149	-.0140
3.14	-.0153	-.0165	-.0161	-.0151	-.0141
3.16	-.0160	-.0170	-.0164	-.0152	-.0142
3.18	-.0165	-.0173	-.0165	-.0153	-.0143
3.20	-.0171	-.0176	-.0167	-.0154	-.0143
3.22	-.0175	-.0179	-.0167	-.0154	-.0143
3.24	-.0179	-.0181	-.0168	-.0154	-.0142
3.26	-.0182	-.0182	-.0168	-.0153	-.0141
3.28	-.0185	-.0183	-.0167	-.0152	-.0140
3.30	-.0187	-.0184	-.0166	-.0151	-.0138
3.32	-.0188	-.0183	-.0165	-.0149	-.0137
3.34	-.0189	-.0183	-.0163	-.0147	-.0135
3.36	-.0190	-.0182	-.0161	-.0145	-.0132
3.38	-.0190	-.0181	-.0159	-.0142	-.0130
3.40	-.0189	-.0179	-.0156	-.0140	-.0127
3.42	-.0189	-.0177	-.0154	-.0137	-.0124
3.44	-.0187	-.0174	-.0150	-.0133	-.0121
3.46	-.0185	-.0171	-.0147	-.0130	-.0117
3.48	-.0183	-.0168	-.0143	-.0126	-.0114
3.50	-.0180	-.0164	-.0139	-.0122	-.0110
3.52	-.0178	-.0161	-.0135	-.0118	-.0106
3.54	-.0174	-.0157	-.0131	-.0114	-.0102
3.56	-.0171	-.0152	-.0126	-.0110	-.0098
3.58	-.0167	-.0148	-.0122	-.0106	-.0094
3.60	-.0162	-.0143	-.0117	-.0101	-.0090
3.62	-.0158	-.0138	-.0112	-.0097	-.0086
3.64	-.0153	-.0133	-.0107	-.0092	-.0081
3.66	-.0148	-.0128	-.0102	-.0087	-.0077
3.68	-.0143	-.0123	-.0097	-.0082	-.0073
3.70	-.0138	-.0117	-.0092	-.0078	-.0068
3.72	-.0133	-.0112	-.0087	-.0073	-.0064
3.74	-.0127	-.0106	-.0082	-.0068	-.0059
3.76	-.0122	-.0100	-.0076	-.0063	-.0055
3.78	-.0116	-.0095	-.0071	-.0059	-.0051
3.80	-.0110	-.0089	-.0066	-.0054	-.0046
3.82	-.0104	-.0083	-.0061	-.0049	-.0042
3.84	-.0098	-.0077	-.0056	-.0045	-.0038
3.86	-.0092	-.0072	-.0051	-.0040	-.0034
3.88	-.0086	-.0066	-.0046	-.0036	-.0030
3.90	-.0080	-.0061	-.0041	-.0032	-.0026
3.92	-.0074	-.0055	-.0036	-.0027	-.0022
3.94	-.0069	-.0050	-.0031	-.0023	-.0018
3.96	-.0063	-.0044	-.0027	-.0019	-.0015
3.98	-.0057	-.0039	-.0022	-.0015	-.0011
4.00	-.0051	-.0034	-.0018	-.0011	-.0008
4.02	-.0046	-.0029	-.0014	-.0008	-.0004
4.04	-.0040	-.0024	-.0010	-.0004	-.0001
4.06	-.0035	-.0019	-.0006	-.0001	.0002
4.08	-.0030	-.0014	-.0002	.0003	.0005
4.10	-.0024	-.0010	.0002	.0006	.0008
4.12	-.0019	-.0005	.0006	.0009	.0010
4.14	-.0015	-.0001	.0009	.0012	.0013
4.16	-.0010	.0003	.0012	.0015	.0015
4.18	-.0005	.0007	.0015	.0017	.0018
4.20	-.0001	.0011	.0018	.0020	.0020
4.22	.0002	.0014	.0021	.0022	.0022
4.24	.0007	.0018	.0023	.0024	.0024
4.26	.0011	.0021	.0026	.0026	.0025
4.28	.0015	.0024	.0028	.0028	.0027
4.30	.0019	.0027	.0030	.0030	.0029
4.32	.0022	.0029	.0032	.0031	.0030
4.34	.0025	.0032	.0034	.0033	.0031
4.36	.0028	.0034	.0036	.0034	.0032
4.38	.0031	.0036	.0037	.0035	.0033
4.40	.0033	.0038	.0038	.0036	.0034
4.42	.0036	.0040	.0040	.0037	.0035
4.44	.0038	.0041	.0041	.0038	.0035
4.46	.0040	.0043	.0041	.0038	.0036
4.48	.0042	.0044	.0042	.0039	.0036

$$R_3(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	-.0066	-.0044	-.0019	.0006	.0030
4.52	-.0061	-.0039	-.0015	.0010	.0033
4.54	-.0056	-.0034	-.0010	.0014	.0035
4.56	-.0051	-.0029	-.0006	.0017	.0038
4.58	-.0046	-.0025	-.0002	.0020	.0040
4.60	-.0041	-.0020	.0002	.0023	.0042
4.62	-.0036	-.0016	.0005	.0026	.0043
4.64	-.0031	-.0011	.0009	.0029	.0045
4.66	-.0027	-.0007	.0013	.0031	.0046
4.68	-.0022	-.0003	.0016	.0034	.0047
4.70	-.0018	.0001	.0019	.0036	.0048
4.72	-.0013	.0004	.0022	.0038	.0049
4.74	-.0009	.0008	.0025	.0040	.0050
4.76	-.0005	.0011	.0027	.0042	.0051
4.78	-.0001	.0015	.0030	.0043	.0051
4.80	.0002	.0018	.0032	.0044	.0051
4.82	.0006	.0021	.0034	.0045	.0051
4.84	.0009	.0023	.0036	.0046	.0051
4.86	.0013	.0026	.0038	.0047	.0051
4.88	.0016	.0028	.0039	.0048	.0051
4.90	.0019	.0031	.0041	.0049	.0051
4.92	.0022	.0033	.0042	.0049	.0050
4.94	.0024	.0035	.0043	.0049	.0049
4.96	.0027	.0036	.0044	.0049	.0049
4.98	.0029	.0038	.0045	.0049	.0048
5.00	.0031	.0039	.0046	.0049	.0047
5.02	.0033	.0041	.0046	.0049	.0046
5.04	.0035	.0042	.0047	.0048	.0045
5.06	.0037	.0043	.0047	.0048	.0044
5.08	.0038	.0044	.0047	.0047	.0042
5.10	.0040	.0044	.0047	.0047	.0041
5.12	.0041	.0045	.0047	.0046	.0040
5.14	.0042	.0045	.0047	.0045	.0038
5.16	.0043	.0045	.0046	.0044	.0037
5.18	.0044	.0046	.0046	.0043	.0035
5.20	.0044	.0046	.0045	.0042	.0034
5.22	.0045	.0046	.0044	.0041	.0032
5.24	.0045	.0045	.0044	.0039	.0031
5.26	.0045	.0045	.0043	.0038	.0029
5.28	.0045	.0045	.0042	.0037	.0027
5.30	.0045	.0044	.0041	.0035	.0026
5.32	.0045	.0043	.0040	.0034	.0024
5.34	.0045	.0043	.0039	.0032	.0023
5.36	.0045	.0042	.0038	.0031	.0021
5.38	.0044	.0041	.0036	.0029	.0019
5.40	.0043	.0040	.0035	.0028	.0018
5.42	.0043	.0039	.0034	.0026	.0016
5.44	.0042	.0038	.0032	.0025	.0014
5.46	.0041	.0037	.0031	.0023	.0013
5.48	.0040	.0036	.0030	.0022	.0011
5.50	.0039	.0035	.0028	.0020	.0010
5.52	.0038	.0033	.0027	.0019	.0008
5.54	.0037	.0032	.0025	.0017	.0007
5.56	.0036	.0031	.0024	.0016	.0006
5.58	.0035	.0029	.0022	.0014	.0004
5.60	.0034	.0028	.0021	.0013	.0003
5.62	.0032	.0027	.0019	.0011	.0002
5.64	.0031	.0025	.0018	.0010	.0000
5.66	.0030	.0024	.0016	.0008	-.0001
5.68	.0028	.0022	.0015	.0007	-.0002
5.70	.0027	.0021	.0013	.0006	-.0003
5.72	.0026	.0019	.0012	.0004	-.0004
5.74	.0024	.0018	.0011	.0003	-.0005
5.76	.0023	.0016	.0009	.0002	-.0006
5.78	.0021	.0015	.0008	.0001	-.0007
5.80	.0020	.0014	.0007	-.0001	-.0008
5.82	.0018	.0012	.0005	-.0002	-.0009
5.84	.0017	.0011	.0004	-.0003	-.0009
5.86	.0016	.0010	.0003	-.0004	-.0010
5.88	.0014	.0008	.0002	-.0005	-.0011
5.90	.0013	.0007	.0001	-.0006	-.0011
5.92	.0012	.0006	-.0001	-.0006	-.0012
5.94	.0010	.0004	-.0002	-.0007	-.0012
5.96	.0009	.0003	-.0003	-.0008	-.0013
5.98	.0008	.0002	-.0004	-.0009	-.0013

$$R_3(x, r)$$

$\begin{matrix} x \\ r \end{matrix}$	3.0	4.0	6.0	8.0	10.0
4.50	.0043	.0045	.0043	.0039	.0036
4.52	.0045	.0046	.0043	.0039	.0036
4.54	.0046	.0047	.0043	.0040	.0036
4.56	.0047	.0048	.0044	.0040	.0036
4.58	.0048	.0048	.0044	.0039	.0036
4.60	.0049	.0048	.0044	.0039	.0036
4.62	.0050	.0049	.0043	.0039	.0036
4.64	.0050	.0049	.0043	.0039	.0035
4.66	.0051	.0049	.0043	.0038	.0035
4.68	.0051	.0048	.0042	.0038	.0034
4.70	.0051	.0048	.0042	.0037	.0033
4.72	.0051	.0048	.0041	.0036	.0033
4.74	.0051	.0047	.0040	.0035	.0032
4.76	.0050	.0046	.0040	.0035	.0031
4.78	.0050	.0046	.0039	.0034	.0030
4.80	.0049	.0045	.0038	.0033	.0029
4.82	.0049	.0044	.0037	.0032	.0028
4.84	.0048	.0043	.0036	.0031	.0027
4.86	.0047	.0042	.0034	.0030	.0026
4.88	.0046	.0041	.0033	.0028	.0025
4.90	.0045	.0039	.0032	.0027	.0024
4.92	.0044	.0038	.0031	.0026	.0023
4.94	.0043	.0037	.0029	.0025	.0022
4.96	.0041	.0036	.0028	.0024	.0021
4.98	.0040	.0034	.0027	.0022	.0020
5.00	.0039	.0033	.0025	.0021	.0018
5.02	.0037	.0031	.0024	.0020	.0017
5.04	.0036	.0030	.0023	.0019	.0016
5.06	.0034	.0028	.0021	.0017	.0015
5.08	.0033	.0027	.0020	.0016	.0014
5.10	.0031	.0025	.0018	.0015	.0013
5.12	.0030	.0024	.0017	.0013	.0011
5.14	.0028	.0022	.0016	.0012	.0010
5.16	.0026	.0020	.0014	.0011	.0009
5.18	.0025	.0019	.0013	.0010	.0008
5.20	.0023	.0017	.0012	.0009	.0007
5.22	.0022	.0016	.0010	.0007	.0006
5.24	.0020	.0014	.0009	.0006	.0005
5.26	.0018	.0013	.0008	.0005	.0004
5.28	.0017	.0011	.0006	.0004	.0003
5.30	.0015	.0010	.0005	.0003	.0002
5.32	.0014	.0008	.0004	.0002	.0001
5.34	.0012	.0007	.0003	.0001	.0000
5.36	.0011	.0006	.0002	-.0000	-.0001
5.38	.0009	.0004	.0001	-.0001	-.0002
5.40	.0008	.0003	-.0000	-.0002	-.0002
5.42	.0006	.0002	-.0001	-.0003	-.0003
5.44	.0005	.0001	-.0002	-.0004	-.0004
5.46	.0003	-.0000	-.0003	-.0004	-.0005
5.48	.0002	-.0002	-.0004	-.0005	-.0005
5.50	.0001	-.0003	-.0005	-.0006	-.0006
5.52	-.0000	-.0004	-.0006	-.0007	-.0007
5.54	-.0001	-.0005	-.0007	-.0007	-.0007
5.56	-.0003	-.0006	-.0007	-.0008	-.0008
5.58	-.0004	-.0006	-.0008	-.0008	-.0008
5.60	-.0005	-.0007	-.0009	-.0009	-.0008
5.62	-.0006	-.0008	-.0009	-.0009	-.0009
5.64	-.0007	-.0009	-.0010	-.0010	-.0009
5.66	-.0007	-.0009	-.0010	-.0010	-.0010
5.68	-.0008	-.0010	-.0011	-.0010	-.0010
5.70	-.0009	-.0011	-.0011	-.0011	-.0010
5.72	-.0010	-.0011	-.0011	-.0011	-.0010
5.74	-.0010	-.0012	-.0012	-.0011	-.0010
5.76	-.0011	-.0012	-.0012	-.0011	-.0011
5.78	-.0012	-.0012	-.0012	-.0012	-.0011
5.80	-.0012	-.0013	-.0012	-.0012	-.0011
5.82	-.0013	-.0013	-.0012	-.0012	-.0011
5.84	-.0013	-.0013	-.0013	-.0012	-.0011
5.86	-.0013	-.0014	-.0013	-.0012	-.0011
5.88	-.0014	-.0014	-.0013	-.0012	-.0011
5.90	-.0014	-.0014	-.0013	-.0012	-.0011
5.92	-.0014	-.0014	-.0013	-.0012	-.0011
5.94	-.0014	-.0014	-.0013	-.0012	-.0011
5.96	-.0014	-.0014	-.0013	-.0011	-.0010
5.98	-.0015	-.0014	-.0012	-.0011	-.0010

$$R_3(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
6.00	.0006	.0001	-.0005	-.0009	-.0013
6.02	.0005	-.0000	-.0005	-.0010	-.0014
6.04	.0004	-.0001	-.0006	-.0011	-.0015
6.06	.0003	-.0002	-.0007	-.0011	-.0014
6.08	.0002	-.0003	-.0008	-.0012	-.0014
6.10	.0001	-.0004	-.0008	-.0012	-.0014
6.12	-.0001	-.0005	-.0009	-.0012	-.0014
6.14	-.0002	-.0006	-.0010	-.0013	-.0015
6.16	-.0002	-.0006	-.0010	-.0013	-.0015
6.18	-.0003	-.0007	-.0011	-.0013	-.0014
6.20	-.0004	-.0008	-.0011	-.0013	-.0014
6.22	-.0005	-.0008	-.0012	-.0014	-.0014
6.24	-.0006	-.0009	-.0012	-.0014	-.0014
6.26	-.0007	-.0010	-.0012	-.0014	-.0014
6.28	-.0007	-.0010	-.0012	-.0014	-.0014
6.30	-.0008	-.0011	-.0013	-.0014	-.0014
6.32	-.0009	-.0011	-.0013	-.0014	-.0013
6.34	-.0009	-.0011	-.0013	-.0014	-.0013
6.36	-.0010	-.0012	-.0013	-.0014	-.0013
6.38	-.0010	-.0012	-.0013	-.0013	-.0012
6.40	-.0011	-.0012	-.0013	-.0013	-.0012
6.42	-.0011	-.0012	-.0013	-.0013	-.0012
6.44	-.0011	-.0012	-.0013	-.0013	-.0011
6.46	-.0012	-.0013	-.0013	-.0013	-.0011
6.48	-.0012	-.0013	-.0013	-.0012	-.0010
6.50	-.0012	-.0013	-.0013	-.0012	-.0010
6.52	-.0012	-.0013	-.0013	-.0012	-.0010
6.54	-.0012	-.0013	-.0013	-.0011	-.0009
6.56	-.0012	-.0013	-.0012	-.0011	-.0009
6.58	-.0013	-.0013	-.0012	-.0011	-.0009
6.60	-.0013	-.0012	-.0012	-.0010	-.0008
6.62	-.0013	-.0012	-.0012	-.0010	-.0007
6.64	-.0013	-.0012	-.0011	-.0010	-.0007
6.66	-.0012	-.0012	-.0011	-.0009	-.0006
6.68	-.0012	-.0012	-.0011	-.0009	-.0006
6.70	-.0012	-.0012	-.0010	-.0008	-.0006
6.72	-.0012	-.0011	-.0010	-.0008	-.0005
6.74	-.0012	-.0011	-.0010	-.0007	-.0005
6.76	-.0012	-.0011	-.0009	-.0007	-.0004
6.78	-.0011	-.0010	-.0009	-.0007	-.0004
6.80	-.0011	-.0010	-.0008	-.0006	-.0003
6.82	-.0011	-.0010	-.0008	-.0006	-.0003
6.84	-.0011	-.0009	-.0008	-.0005	-.0003
6.86	-.0010	-.0009	-.0007	-.0005	-.0002
6.88	-.0010	-.0009	-.0007	-.0004	-.0002
6.90	-.0010	-.0008	-.0006	-.0004	-.0001
6.92	-.0009	-.0008	-.0006	-.0004	-.0001
6.94	-.0009	-.0007	-.0006	-.0003	-.0001
6.96	-.0009	-.0007	-.0005	-.0003	-.0000
6.98	-.0008	-.0007	-.0005	-.0002	.0000
7.00	-.0008	-.0006	-.0004	-.0002	.0000

$$R_3(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
6.00	-.0015	-.0014	-.0012	-.0011	-.0010
6.02	-.0015	-.0014	-.0012	-.0011	-.0010
6.04	-.0015	-.0014	-.0012	-.0011	-.0010
6.06	-.0015	-.0014	-.0012	-.0011	-.0010
6.08	-.0014	-.0013	-.0011	-.0010	-.0009
6.10	-.0014	-.0013	-.0011	-.0010	-.0009
6.12	-.0014	-.0013	-.0011	-.0010	-.0009
6.14	-.0014	-.0013	-.0011	-.0009	-.0008
6.16	-.0014	-.0012	-.0010	-.0009	-.0008
6.18	-.0014	-.0012	-.0010	-.0009	-.0008
6.20	-.0013	-.0012	-.0010	-.0009	-.0008
6.22	-.0013	-.0011	-.0009	-.0008	-.0007
6.24	-.0013	-.0011	-.0009	-.0008	-.0007
6.26	-.0012	-.0011	-.0009	-.0008	-.0007
6.28	-.0012	-.0010	-.0008	-.0007	-.0006
6.30	-.0012	-.0010	-.0008	-.0007	-.0006
6.32	-.0011	-.0009	-.0007	-.0006	-.0006
6.34	-.0011	-.0009	-.0007	-.0006	-.0005
6.36	-.0010	-.0009	-.0007	-.0006	-.0005
6.38	-.0010	-.0008	-.0006	-.0005	-.0005
6.40	-.0010	-.0008	-.0006	-.0005	-.0004
6.42	-.0009	-.0007	-.0005	-.0004	-.0004
6.44	-.0009	-.0007	-.0005	-.0004	-.0004
6.46	-.0008	-.0006	-.0005	-.0004	-.0003
6.48	-.0008	-.0006	-.0004	-.0004	-.0003
6.50	-.0007	-.0006	-.0004	-.0003	-.0003
6.52	-.0007	-.0005	-.0003	-.0003	-.0002
6.54	-.0006	-.0005	-.0003	-.0003	-.0002
6.56	-.0006	-.0004	-.0003	-.0002	-.0002
6.58	-.0005	-.0004	-.0002	-.0002	-.0001
6.60	-.0005	-.0003	-.0002	-.0002	-.0001
6.62	-.0005	-.0003	-.0002	-.0001	-.0001
6.64	-.0004	-.0003	-.0001	-.0001	-.0001
6.66	-.0004	-.0002	-.0001	-.0001	-.0000
6.68	-.0003	-.0002	-.0001	-.0000	-.0000
6.70	-.0003	-.0001	-.0000	-.0000	.0000
6.72	-.0002	-.0001	-.0000	.0000	.0000
6.74	-.0002	-.0001	.0000	.0000	.0001
6.76	-.0002	-.0000	.0001	.0001	.0001
6.78	-.0001	-.0000	.0001	.0001	.0001
6.80	-.0001	.0000	.0001	.0001	.0001
6.82	-.0001	.0001	.0001	.0001	.0001
6.84	-.0000	.0001	.0001	.0001	.0002
6.86	.0000	.0001	.0002	.0002	.0002
6.88	.0000	.0001	.0002	.0002	.0002
6.90	.0001	.0002	.0002	.0002	.0002
6.92	.0001	.0002	.0002	.0002	.0002
6.94	.0001	.0002	.0002	.0002	.0002
6.96	.0002	.0002	.0003	.0002	.0003
6.98	.0002	.0002	.0003	.0002	.0003
7.00	.0002	.0003	.0003	.0003	.0004

$$R_4(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.988496	.929097	.856592	.765385	.645087
.04	.974074	.902487	.817453	.714236	.584627
.06	.956872	.873806	.777197	.663228	.525849
.08	.937040	.843229	.736016	.612533	.468867
.10	.914733	.810938	.694096	.562319	.413785
.12	.890115	.777114	.651620	.512745	.360698
.14	.863353	.741941	.608771	.463963	.309689
.16	.834622	.705601	.565724	.416117	.260835
.18	.804096	.668277	.522651	.369343	.214199
.20	.771954	.630150	.479718	.323767	.169837
.22	.738377	.591397	.437085	.279507	.127793
.24	.703546	.552195	.394905	.236671	.088102
.26	.667641	.512714	.353324	.195360	.050789
.28	.630842	.473121	.312481	.155661	.015871
.30	.593326	.433577	.272506	.117655	-.016646
.32	.555267	.394237	.233520	.081412	-.046765
.34	.516836	.355252	.195638	.046993	-.074497
.36	.478201	.316762	.158964	.014448	-.099861
.38	.439523	.278904	.123594	-.016182	-.12 884
.40	.400959	.241805	.089615	-.044863	-.143603
.42	.362659	.205585	.057104	-.071574	-.162059
.44	.324768	.170355	.026130	-.096300	-.178303
.46	.287423	.136218	-.003248	-.119036	-.192388
.48	.250753	.103269	-.030979	-.139785	-.204378
.50	.214880	.071594	-.057023	-.158558	-.214339
.52	.179920	.041269	-.081346	-.175374	-.222343
.54	.145977	.012363	-.103926	-.190259	-.228468
.56	.113150	-.015064	-.124745	-.203246	-.232793
.58	.081328	-.040962	-.143798	-.214374	-.235403
.60	.051192	-.065288	-.161084	-.223690	-.236385
.62	.022212	-.088009	-.176612	-.231245	-.235829
.64	-.005346	-.109100	-.190397	-.237095	-.233828
.66	-.031429	-.128542	-.202462	-.241302	-.230475
.68	-.055991	-.146327	-.212835	-.243932	-.225865
.70	-.078994	-.162453	-.221550	-.245054	-.220093
.72	-.100409	-.176925	-.228650	-.244741	-.213256
.74	-.120214	-.189756	-.234181	-.243071	-.205450
.76	-.138396	-.200966	-.238192	-.240120	-.196770
.78	-.154950	-.210579	-.240740	-.235970	-.187310
.80	-.169876	-.218628	-.241884	-.230704	-.177165
.82	-.183185	-.225149	-.241687	-.224404	-.166425
.84	-.194891	-.230186	-.240217	-.217155	-.155182
.86	-.205016	-.233785	-.237542	-.209042	-.143522
.88	-.213588	-.235998	-.233734	-.200149	-.131530
.90	-.220642	-.236880	-.228866	-.190560	-.119290
.92	-.226217	-.236491	-.223014	-.180359	-.106879
.94	-.230355	-.234894	-.216254	-.169629	-.094376
.96	-.233107	-.232152	-.208662	-.158450	-.081852
.98	-.234525	-.228335	-.200316	-.146901	-.069377
1.00	-.234664	-.223510	-.191293	-.135060	-.057017
1.02	-.233586	-.217750	-.181671	-.123002	-.044832
1.04	-.231353	-.211126	-.171525	-.110799	-.032881
1.06	-.228029	-.203711	-.160930	-.098522	-.021218
1.08	-.223683	-.195578	-.149961	-.086236	-.009891
1.10	-.218384	-.186801	-.138690	-.074006	.001052
1.12	-.212201	-.177453	-.127187	-.061892	.011572
1.14	-.205207	-.167606	-.115521	-.049951	.021631
1.16	-.197473	-.157332	-.103757	-.038237	.031195
1.18	-.189071	-.146702	-.091959	-.026800	.040236
1.20	-.180074	-.135783	-.080188	-.015685	.048729
1.22	-.170553	-.124644	-.068502	-.004937	.056653
1.24	-.160580	-.113350	-.056955	.005407	.063990
1.26	-.150223	-.101963	-.045599	.015312	.070728
1.28	-.139552	-.090545	-.034483	.024746	.076856
1.30	-.128633	-.079153	-.023652	.033681	.082369
1.32	-.117532	-.067842	-.013147	.042094	.087264
1.34	-.106312	-.056666	-.003006	.049965	.091541
1.36	-.095034	-.045674	.006735	.057277	.095204
1.38	-.083756	-.034912	.016045	.064017	.098260
1.40	-.072534	-.024423	.024898	.070176	.100718
1.42	-.061421	-.014248	.033267	.075746	.102591
1.44	-.050467	-.004423	.041133	.080725	.103891
1.46	-.039719	.005019	.048478	.085114	.104637
1.48	-.029222	.014047	.055287	.088913	.104847

$$R_4(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.512381	.437583	.352292	.302941	.269806
.04	.450292	.378456	.299722	.255582	.226472
.06	.391119	.322605	.250488	.211412	.186154
.08	.334887	.270013	.204532	.170360	.148778
.10	.281615	.220653	.161791	.132352	.114267
.12	.231311	.174491	.122197	.097309	.082539
.14	.183973	.131484	.085678	.065148	.053508
.16	.139593	.091585	.052153	.035783	.027087
.18	.098152	.054738	.021541	.009125	.003167
.20	.059624	.020881	-.006245	-.014920	-.018287
.22	.023975	-.010055	-.031298	-.036447	-.037429
.24	-.008837	-.038142	-.053711	-.055555	-.054337
.26	-.038862	-.063461	-.073583	-.072345	-.069108
.28	-.066155	-.086096	-.091015	-.086917	-.081842
.30	-.090778	-.106135	-.106111	-.099377	-.092640
.32	-.112802	-.123672	-.118975	-.109829	-.101604
.34	-.132301	-.138803	-.129716	-.118380	-.108834
.36	-.149353	-.151629	-.138441	-.125134	-.114434
.38	-.164045	-.162253	-.145261	-.130200	-.118504
.40	-.176465	-.170780	-.150287	-.133682	-.121144
.42	-.186705	-.177318	-.153628	-.135688	-.122457
.44	-.194864	-.181975	-.155395	-.136322	-.122539
.46	-.201039	-.184864	-.155699	-.135688	-.121490
.48	-.205333	-.186093	-.154649	-.133888	-.119405
.50	-.207849	-.185775	-.152352	-.131025	-.116378
.52	-.208693	-.184022	-.148916	-.127197	-.112502
.54	-.207973	-.180942	-.144446	-.122500	-.107866
.56	-.205794	-.176648	-.139043	-.117030	-.102559
.58	-.202264	-.171247	-.132810	-.110878	-.096664
.60	-.197492	-.164847	-.125844	-.104134	-.090263
.62	-.191583	-.157552	-.118241	-.096884	-.083436
.64	-.184644	-.149466	-.110092	-.089210	-.076258
.66	-.176778	-.140690	-.101487	-.081193	-.068801
.68	-.168090	-.131321	-.092511	-.072908	-.061136
.70	-.158679	-.121454	-.083246	-.064429	-.053326
.72	-.148644	-.111180	-.073771	-.055823	-.045435
.74	-.138081	-.100587	-.064160	-.047157	-.037521
.76	-.127083	-.089761	-.054484	-.038491	-.029639
.78	-.115739	-.078781	-.044810	-.029884	-.021840
.80	-.104136	-.067723	-.035199	-.021387	-.014171
.82	-.092358	-.056662	-.025710	-.013053	-.006676
.84	-.080482	-.045664	-.016397	-.004924	-.000604
.86	-.068584	-.034793	-.007311	.002955	.007634
.88	-.056736	-.024110	.001504	.010548	.014381
.90	-.045004	-.013670	.010006	.017820	.020814
.92	-.033451	-.003523	.018156	.024742	.026909
.94	-.022136	.006283	.025923	.031286	.032644
.96	-.011111	.015708	.033276	.037430	.037999
.98	-.000428	.024712	.040190	.043155	.042958
1.00	.009869	.033263	.046643	.048445	.047509
1.02	.019739	.041332	.052618	.053286	.051642
1.04	.029146	.048893	.058101	.057670	.055351
1.06	.038057	.055926	.063080	.061591	.058631
1.08	.046444	.062415	.067549	.065046	.061482
1.10	.054285	.068342	.071503	.068032	.063905
1.12	.061558	.073702	.074941	.070554	.065903
1.14	.068250	.078488	.077866	.072616	.067483
1.16	.074347	.082697	.080281	.074224	.068651
1.18	.079842	.086331	.082194	.075388	.069418
1.20	.084730	.089392	.083615	.076119	.069796
1.22	.089011	.091888	.084556	.076430	.069798
1.24	.092686	.093827	.085030	.076336	.069439
1.26	.095761	.095223	.085053	.075854	.068734
1.28	.098244	.096089	.084643	.075001	.067700
1.30	.100145	.096441	.083819	.073796	.066357
1.32	.101479	.096299	.082602	.072259	.064723
1.34	.102261	.095683	.081013	.070410	.062817
1.36	.102510	.094613	.079075	.068273	.060661
1.38	.102244	.093115	.076812	.065868	.058275
1.40	.101487	.091211	.074247	.063219	.055681
1.42	.100261	.088929	.071406	.060349	.052899
1.44	.098591	.086293	.068314	.057281	.049951
1.46	.096504	.083332	.064996	.054038	.046859
1.48	.094025	.080073	.061478	.050643	.043644

$$R_4(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	-.019017	.022634	.061550	.092130	.104542
1.52	-.0091	.0308	.0673	.0948	.1037
1.54	.0004	.0384	.0724	.0969	.1025
1.56	.0095	.0455	.0770	.0984	.1008
1.58	.0182	.0522	.0810	.0994	.0986
1.60	.0264	.0583	.0845	.0998	.0961
1.62	.0342	.0638	.0874	.0998	.0932
1.64	.0415	.0689	.0898	.0993	.0900
1.66	.0483	.0733	.0917	.0984	.0865
1.68	.0546	.0773	.0930	.0970	.0827
1.70	.0603	.0807	.0938	.0952	.0787
1.72	.0655	.0836	.0942	.0930	.0744
1.74	.0702	.0859	.0941	.0904	.0700
1.76	.0744	.0878	.0935	.0876	.0654
1.78	.0780	.0892	.0925	.0844	.0606
1.80	.0811	.0900	.0911	.0809	.0558
1.82	.0837	.0904	.0894	.0772	.0509
1.84	.0858	.0904	.0872	.0733	.0460
1.86	.0874	.0899	.0848	.0692	.0410
1.88	.0884	.0890	.0820	.0650	.0360
1.90	.0891	.0877	.0790	.0606	.0311
1.92	.0892	.0861	.0757	.0560	.0262
1.94	.0890	.0841	.0721	.0514	.0214
1.96	.0883	.0817	.0684	.0468	.0166
1.98	.0872	.0791	.0645	.0421	.0120
2.00	.0857	.0762	.0605	.0374	.0075
2.02	.0839	.0731	.0563	.0327	.0032
2.04	.0818	.0698	.0521	.0281	-.0010
2.06	.0794	.0662	.0477	.0235	-.0050
2.08	.0766	.0625	.0433	.0190	-.0088
2.10	.0737	.0586	.0389	.0145	-.0125
2.12	.0705	.0547	.0345	.0102	-.0159
2.14	.0671	.0506	.0301	.0061	-.0191
2.16	.0635	.0464	.0258	.0020	-.0221
2.18	.0597	.0422	.0215	-.0019	-.0249
2.20	.0559	.0380	.0172	-.0056	-.0274
2.22	.0519	.0338	.0131	-.0091	-.0297
2.24	.0478	.0295	.0091	-.0125	-.0318
2.26	.0437	.0254	.0052	-.0156	-.0336
2.28	.0395	.0212	.0014	-.0186	-.0352
2.30	.0354	.0171	-.0022	-.0213	-.0366
2.32	.0312	.0132	-.0057	-.0238	-.0378
2.34	.0270	.0093	-.0090	-.0261	-.0387
2.36	.0229	.0055	-.0121	-.0282	-.0394
2.38	.0189	.0019	-.0150	-.0301	-.0399
2.40	.0149	-.0016	-.0177	-.0318	-.0402
2.42	.0110	-.0049	-.0203	-.0332	-.0403
2.44	.0073	-.0081	-.0226	-.0344	-.0402
2.46	.0036	-.0111	-.0247	-.0354	-.0399
2.48	.0001	-.0139	-.0267	-.0362	-.0394
2.50	-.0032	-.0166	-.0284	-.0368	-.0388
2.52	-.0065	-.0191	-.0299	-.0372	-.0380
2.54	-.0095	-.0213	-.0312	-.0374	-.0371
2.56	-.0124	-.0234	-.0323	-.0374	-.0360
2.58	-.0151	-.0253	-.0332	-.0373	-.0348
2.60	-.0176	-.0269	-.0339	-.0369	-.0335
2.62	-.0199	-.0284	-.0345	-.0364	-.0321
2.64	-.0221	-.0297	-.0348	-.0358	-.0306
2.66	-.0240	-.0308	-.0349	-.0350	-.0290
2.68	-.0258	-.0317	-.0349	-.0341	-.0274
2.70	-.0273	-.0324	-.0348	-.0331	-.0256
2.72	-.0287	-.0329	-.0344	-.0319	-.0239
2.74	-.0298	-.0333	-.0339	-.0307	-.0221
2.76	-.0308	-.0334	-.0333	-.0293	-.0203
2.78	-.0316	-.0335	-.0325	-.0279	-.0184
2.80	-.0322	-.0333	-.0317	-.0264	-.0166
2.82	-.0326	-.0330	-.0307	-.0248	-.0147
2.84	-.0329	-.0326	-.0296	-.0232	-.0129
2.86	-.0330	-.0320	-.0284	-.0215	-.0110
2.88	-.0329	-.0313	-.0271	-.0198	-.0092
2.90	-.0327	-.0304	-.0258	-.0181	-.0075
2.92	-.0323	-.0295	-.0243	-.0164	-.0057
2.94	-.0318	-.0285	-.0229	-.0147	-.0040
2.96	-.0312	-.0273	-.0213	-.0130	-.0024
2.98	-.0304	-.0261	-.0198	-.0112	-.0008

$$R_4(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	.091183	.076543	.057785	.047120	.040326
1.52	.0880	.0728	.0539	.0435	.0369
1.54	.0845	.0688	.0500	.0398	.0335
1.56	.0808	.0646	.0459	.0360	.0300
1.58	.0768	.0603	.0418	.0322	.0264
1.60	.0725	.0558	.0376	.0284	.0229
1.62	.0681	.0513	.0334	.0245	.0194
1.64	.0636	.0466	.0291	.0207	.0159
1.66	.0589	.0419	.0249	.0169	.0125
1.68	.0541	.0372	.0207	.0132	.0091
1.70	.0492	.0325	.0166	.0095	.0058
1.72	.0443	.0278	.0125	.0060	.0026
1.74	.0393	.0232	.0086	.0025	-.0005
1.76	.0344	.0186	.0047	-.0008	-.0035
1.78	.0295	.0141	.0010	-.0041	-.0064
1.80	.0246	.0097	-.0026	-.0072	-.0091
1.82	.0198	.0054	-.0061	-.0101	-.0117
1.84	.0151	.0013	-.0094	-.0129	-.0141
1.86	.0105	-.0027	-.0126	-.0155	-.0164
1.88	.0060	-.0065	-.0155	-.0180	-.0186
1.90	.0017	-.0102	-.0183	-.0203	-.0205
1.92	-.0024	-.0136	-.0209	-.0224	-.0223
1.94	-.0064	-.0169	-.0233	-.0243	-.0240
1.96	-.0102	-.0200	-.0255	-.0261	-.0254
1.98	-.0138	-.0228	-.0275	-.0276	-.0267
2.00	-.0172	-.0255	-.0293	-.0290	-.0278
2.02	-.0204	-.0279	-.0309	-.0302	-.0288
2.04	-.0234	-.0301	-.0323	-.0312	-.0296
2.06	-.0261	-.0320	-.0335	-.0320	-.0302
2.08	-.0287	-.0338	-.0345	-.0327	-.0306
2.10	-.0309	-.0353	-.0353	-.0331	-.0310
2.12	-.0330	-.0366	-.0359	-.0335	-.0311
2.14	-.0348	-.0377	-.0363	-.0336	-.0311
2.16	-.0364	-.0386	-.0365	-.0336	-.0310
2.18	-.0377	-.0392	-.0366	-.0334	-.0307
2.20	-.0388	-.0396	-.0365	-.0331	-.0303
2.22	-.0397	-.0399	-.0362	-.0326	-.0298
2.24	-.0404	-.0399	-.0358	-.0320	-.0291
2.26	-.0408	-.0398	-.0352	-.0313	-.0284
2.28	-.0411	-.0395	-.0345	-.0305	-.0275
2.30	-.0411	-.0390	-.0337	-.0296	-.0266
2.32	-.0410	-.0384	-.0327	-.0286	-.0256
2.34	-.0407	-.0376	-.0316	-.0274	-.0245
2.36	-.0402	-.0366	-.0304	-.0263	-.0233
2.38	-.0395	-.0356	-.0292	-.0250	-.0221
2.40	-.0387	-.0344	-.0278	-.0237	-.0208
2.42	-.0377	-.0331	-.0264	-.0223	-.0195
2.44	-.0366	-.0317	-.0249	-.0208	-.0181
2.46	-.0354	-.0302	-.0234	-.0194	-.0168
2.48	-.0340	-.0287	-.0218	-.0179	-.0154
2.50	-.0326	-.0270	-.0202	-.0164	-.0140
2.52	-.0311	-.0253	-.0185	-.0148	-.0125
2.54	-.0294	-.0236	-.0169	-.0133	-.0111
2.56	-.0277	-.0218	-.0152	-.0118	-.0097
2.58	-.0260	-.0200	-.0135	-.0103	-.0083
2.60	-.0242	-.0182	-.0119	-.0088	-.0069
2.62	-.0224	-.0164	-.0102	-.0073	-.0056
2.64	-.0205	-.0146	-.0086	-.0058	-.0043
2.66	-.0186	-.0127	-.0070	-.0044	-.0030
2.68	-.0167	-.0109	-.0054	-.0030	-.0017
2.70	-.0149	-.0092	-.0039	-.0017	-.0005
2.72	-.0130	-.0074	-.0024	-.0004	-.0006
2.74	-.0111	-.0057	-.0010	.0008	.0017
2.76	-.0093	-.0041	.0004	.0020	.0028
2.78	-.0075	-.0024	.0017	.0031	.0037
2.80	-.0057	-.0009	.0029	.0042	.0047
2.82	-.0040	.0006	.0041	.0052	.0055
2.84	-.0024	.0020	.0052	.0061	.0063
2.86	-.0008	.0034	.0062	.0070	.0071
2.88	.0008	.0047	.0072	.0078	.0078
2.90	.0022	.0059	.0081	.0085	.0084
2.92	.0036	.0070	.0089	.0091	.0089
2.94	.0049	.0080	.0097	.0097	.0094
2.96	.0062	.0090	.0103	.0102	.0098
2.98	.0073	.0099	.0109	.0107	.0102

$$R_4(x, r)$$

x \ r	1.	1.1	1.25	1.5	2.0
3.00	-.0295	-.0248	-.0182	-.0095	.0007
3.02	-.0286	-.0235	-.0166	-.0079	.0021
3.04	-.0275	-.0221	-.0150	-.0062	.0035
3.06	-.0263	-.0206	-.0134	-.0046	.0048
3.08	-.0251	-.0191	-.0117	-.0031	.0060
3.10	-.0238	-.0176	-.0101	-.0016	.0072
3.12	-.0225	-.0161	-.0086	-.0001	.0082
3.14	-.0210	-.0145	-.0070	.0013	.0092
3.16	-.0196	-.0130	-.0055	.0026	.0101
3.18	-.0181	-.0114	-.0040	.0038	.0109
3.20	-.0166	-.0099	-.0025	.0050	.0116
3.22	-.0151	-.0084	-.0011	.0061	.0122
3.24	-.0136	-.0069	.0002	.0072	.0128
3.26	-.0120	-.0054	.0015	.0081	.0133
3.28	-.0105	-.0040	.0027	.0090	.0136
3.30	-.0090	-.0026	.0039	.0098	.0139
3.32	-.0075	-.0013	.0050	.0105	.0142
3.34	-.0061	.0000	.0060	.0111	.0143
3.36	-.0046	.0013	.0069	.0117	.0144
3.38	-.0032	.0024	.0078	.0122	.0144
3.40	-.0019	.0036	.0086	.0126	.0143
3.42	-.0006	.0046	.0093	.0129	.0142
3.44	.0007	.0056	.0100	.0131	.0140
3.46	.0018	.0065	.0106	.0133	.0137
3.48	.0030	.0074	.0111	.0134	.0134
3.50	.0041	.0081	.0115	.0134	.0130
3.52	.0051	.0089	.0119	.0134	.0126
3.54	.0060	.0095	.0121	.0133	.0122
3.56	.0069	.0101	.0124	.0132	.0117
3.58	.0077	.0105	.0125	.0130	.0112
3.60	.0084	.0110	.0126	.0127	.0106
3.62	.0091	.0113	.0126	.0124	.0100
3.64	.0097	.0116	.0126	.0120	.0094
3.66	.0102	.0118	.0125	.0116	.0088
3.68	.0106	.0120	.0123	.0112	.0082
3.70	.0110	.0121	.0121	.0107	.0075
3.72	.0113	.0121	.0118	.0102	.0068
3.74	.0116	.0120	.0115	.0097	.0062
3.76	.0117	.0120	.0112	.0091	.0055
3.78	.0118	.0118	.0108	.0085	.0048
3.80	.0119	.0116	.0104	.0080	.0042
3.82	.0119	.0114	.0099	.0073	.0035
3.84	.0118	.0111	.0095	.0067	.0029
3.86	.0117	.0108	.0090	.0061	.0023
3.88	.0116	.0104	.0084	.0055	.0016
3.90	.0113	.0100	.0079	.0049	.0010
3.92	.0111	.0096	.0073	.0042	.0005
3.94	.0108	.0091	.0068	.0036	-.0001
3.96	.0104	.0086	.0062	.0030	-.0006
3.98	.0101	.0081	.0056	.0024	-.0011
4.00	.0097	.0076	.0050	.0018	-.0016
4.02	.0092	.0071	.0044	.0013	-.0020
4.04	.0088	.0065	.0038	.0007	-.0025
4.06	.0083	.0060	.0033	.0002	-.0029
4.08	.0078	.0054	.0027	-.0003	-.0032
4.10	.0072	.0049	.0021	-.0008	-.0035
4.12	.0067	.0043	.0016	-.0013	-.0038
4.14	.0062	.0037	.0011	-.0017	-.0041
4.16	.0056	.0032	.0006	-.0021	-.0044
4.18	.0051	.0027	.0001	-.0025	-.0046
4.20	.0045	.0021	-.0004	-.0028	-.0047
4.22	.0040	.0016	-.0008	-.0032	-.0049
4.24	.0034	.0011	-.0013	-.0035	-.0050
4.26	.0029	.0006	-.0017	-.0037	-.0051
4.28	.0023	.0001	-.0020	-.0040	-.0051
4.30	.0018	-.0003	-.0024	-.0042	-.0052
4.32	.0013	-.0008	-.0027	-.0044	-.0052
4.34	.0008	-.0012	-.0030	-.0045	-.0052
4.36	.0004	-.0016	-.0033	-.0046	-.0051
4.38	-.0001	-.0019	-.0035	-.0047	-.0051
4.40	-.0005	-.0023	-.0038	-.0048	-.0050
4.42	-.0010	-.0026	-.0039	-.0048	-.0049
4.44	-.0014	-.0029	-.0041	-.0049	-.0047
4.46	-.0017	-.0031	-.0042	-.0049	-.0046
4.48	-.0021	-.0034	-.0044	-.0048	-.0044

$$R_4(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.0084	.0107	.0114	.0110	.0105
3.02	.0094	.0114	.0119	.0113	.0107
3.04	.0103	.0120	.0122	.0116	.0109
3.06	.0111	.0125	.0125	.0117	.0110
3.08	.0118	.0130	.0127	.0118	.0110
3.10	.0125	.0134	.0129	.0119	.0110
3.12	.0130	.0137	.0129	.0119	.0110
3.14	.0135	.0139	.0129	.0118	.0109
3.16	.0139	.0141	.0129	.0117	.0107
3.18	.0142	.0141	.0128	.0115	.0105
3.20	.0144	.0141	.0126	.0113	.0103
3.22	.0145	.0141	.0124	.0110	.0100
3.24	.0146	.0139	.0121	.0107	.0097
3.26	.0146	.0138	.0118	.0104	.0094
3.28	.0145	.0135	.0115	.0100	.0090
3.30	.0144	.0132	.0111	.0096	.0086
3.32	.0142	.0129	.0107	.0092	.0082
3.34	.0139	.0125	.0102	.0087	.0077
3.36	.0136	.0120	.0097	.0082	.0073
3.38	.0132	.0115	.0092	.0077	.0068
3.40	.0128	.0110	.0086	.0072	.0063
3.42	.0124	.0105	.0081	.0067	.0058
3.44	.0119	.0099	.0075	.0062	.0053
3.46	.0113	.0093	.0069	.0056	.0048
3.48	.0108	.0087	.0063	.0051	.0043
3.50	.0102	.0081	.0058	.0045	.0038
3.52	.0096	.0075	.0052	.0040	.0033
3.54	.0089	.0068	.0046	.0034	.0028
3.56	.0083	.0062	.0040	.0029	.0023
3.58	.0076	.0055	.0034	.0024	.0018
3.60	.0069	.0048	.0028	.0019	.0014
3.62	.0063	.0042	.0022	.0014	.0009
3.64	.0056	.0036	.0017	.0009	.0005
3.66	.0049	.0029	.0011	.0004	.0001
3.68	.0042	.0023	.0006	-.0000	-.0004
3.70	.0036	.0017	.0001	-.0005	-.0007
3.72	.0029	.0011	-.0004	-.0009	-.0011
3.74	.0023	.0006	-.0008	-.0013	-.0014
3.76	.0017	.0000	-.0012	-.0016	-.0018
3.78	.0011	-.0005	-.0017	-.0020	-.0021
3.80	.0005	-.0010	-.0020	-.0023	-.0023
3.82	-.0001	-.0015	-.0024	-.0026	-.0026
3.84	-.0006	-.0019	-.0027	-.0029	-.0028
3.86	-.0011	-.0023	-.0030	-.0031	-.0030
3.88	-.0016	-.0027	-.0033	-.0033	-.0032
3.90	-.0021	-.0031	-.0036	-.0035	-.0034
3.92	-.0025	-.0034	-.0038	-.0037	-.0035
3.94	-.0029	-.0037	-.0040	-.0038	-.0036
3.96	-.0032	-.0040	-.0041	-.0040	-.0037
3.98	-.0036	-.0042	-.0043	-.0040	-.0038
4.00	-.0039	-.0044	-.0044	-.0041	-.0038
4.02	-.0042	-.0046	-.0045	-.0042	-.0039
4.04	-.0044	-.0047	-.0045	-.0042	-.0039
4.06	-.0046	-.0048	-.0046	-.0042	-.0039
4.08	-.0048	-.0049	-.0046	-.0042	-.0038
4.10	-.0049	-.0050	-.0046	-.0041	-.0038
4.12	-.0050	-.0050	-.0045	-.0041	-.0037
4.14	-.0051	-.0050	-.0045	-.0040	-.0036
4.16	-.0052	-.0050	-.0044	-.0039	-.0035
4.18	-.0052	-.0050	-.0043	-.0038	-.0034
4.20	-.0052	-.0049	-.0042	-.0037	-.0033
4.22	-.0052	-.0048	-.0041	-.0036	-.0032
4.24	-.0052	-.0047	-.0040	-.0034	-.0031
4.26	-.0051	-.0046	-.0038	-.0033	-.0029
4.28	-.0050	-.0045	-.0037	-.0031	-.0028
4.30	-.0049	-.0043	-.0035	-.0030	-.0026
4.32	-.0048	-.0042	-.0033	-.0028	-.0024
4.34	-.0046	-.0040	-.0031	-.0026	-.0022
4.36	-.0045	-.0038	-.0029	-.0024	-.0021
4.38	-.0043	-.0036	-.0027	-.0022	-.0019
4.40	-.0041	-.0034	-.0025	-.0020	-.0017
4.42	-.0039	-.0032	-.0023	-.0018	-.0015
4.44	-.0037	-.0029	-.0021	-.0016	-.0013
4.46	-.0035	-.0027	-.0019	-.0014	-.0012
4.48	-.0033	-.0025	-.0017	-.0012	-.0010

$$R_4(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	-.0024	-.0036	-.0044	-.0048	-.0043
4.52	-.0027	-.0038	-.0045	-.0047	-.0041
4.54	-.0030	-.0039	-.0045	-.0046	-.0039
4.56	-.0032	-.0041	-.0046	-.0045	-.0037
4.58	-.0034	-.0042	-.0045	-.0044	-.0035
4.60	-.0036	-.0043	-.0045	-.0042	-.0032
4.62	-.0038	-.0043	-.0045	-.0041	-.0030
4.64	-.0039	-.0044	-.0044	-.0039	-.0028
4.66	-.0041	-.0044	-.0043	-.0037	-.0025
4.68	-.0042	-.0044	-.0042	-.0036	-.0023
4.70	-.0042	-.0043	-.0041	-.0034	-.0020
4.72	-.0043	-.0043	-.0039	-.0031	-.0018
4.74	-.0043	-.0042	-.0038	-.0029	-.0016
4.76	-.0043	-.0041	-.0036	-.0027	-.0013
4.78	-.0043	-.0041	-.0035	-.0025	-.0011
4.80	-.0043	-.0039	-.0033	-.0023	-.0009
4.82	-.0042	-.0038	-.0031	-.0020	-.0006
4.84	-.0041	-.0037	-.0029	-.0018	-.0004
4.86	-.0040	-.0035	-.0027	-.0016	-.0002
4.88	-.0039	-.0034	-.0025	-.0014	-.0000
4.90	-.0038	-.0032	-.0023	-.0012	.0002
4.92	-.0037	-.0030	-.0021	-.0009	.0004
4.94	-.0035	-.0028	-.0019	-.0007	.0005
4.96	-.0034	-.0026	-.0017	-.0005	.0007
4.98	-.0032	-.0026	-.0014	-.0003	.0009
5.00	-.0030	-.0024	-.0012	-.0001	.0010

$$R_4(x, r)$$

x \ r	3.0	4.0	6.0	8.0	10.0
4.50	-.0030	-.0022	-.0014	-.0010	-.0008
4.52	-.0028	-.0020	-.0012	-.0009	-.0006
4.54	-.0025	-.0018	-.0010	-.0007	-.0005
4.56	-.0023	-.0015	-.0008	-.0005	-.0003
4.58	-.0021	-.0013	-.0006	-.0003	-.0002
4.60	-.0018	-.0011	-.0004	-.0001	-.0000
4.62	-.0016	-.0009	-.0002	.0000	.0001
4.64	-.0013	-.0006	-.0001	.0002	.0003
4.66	-.0011	-.0004	.0001	.0003	.0004
4.68	-.0009	-.0002	.0003	.0005	.0005
4.70	-.0006	-.0000	.0004	.0006	.0007
4.72	-.0004	.0002	.0006	.0007	.0008
4.74	-.0002	.0004	.0007	.0008	.0009
4.76	-.0000	.0005	.0009	.0010	.0010
4.78	.0002	.0007	.0010	.0011	.0010
4.80	.0004	.0008	.0011	.0011	.0011
4.82	.0006	.0010	.0012	.0012	.0012
4.84	.0007	.0011	.0013	.0013	.0012
4.86	.0009	.0012	.0014	.0014	.0013
4.88	.0010	.0013	.0014	.0014	.0013
4.90	.0012	.0014	.0015	.0015	.0014
4.92	.0013	.0015	.0016	.0015	.0014
4.94	.0014	.0016	.0016	.0015	.0014
4.96	.0015	.0017	.0016	.0015	.0014
4.98	.0016	.0017	.0017	.0015	.0014
5.00	.0017	.0018	.0017	.0015	.0014

$$R_5(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.987609	.920648	.840271	.741339	.614651
.04	.970582	.884395	.784495	.667155	.526558
.06	.949158	.845037	.727479	.594289	.442995
.08	.923601	.802918	.669601	.523066	.364100
.10	.894196	.758391	.611230	.453789	.289984
.12	.861247	.711814	.552728	.386741	.220731
.14	.825073	.663547	.494443	.322181	.156397
.16	.786008	.613950	.436713	.260343	.097011
.18	.744392	.563378	.379855	.201439	.042576
.20	.700574	.512183	.324175	.145452	-.006932
.22	.654907	.460706	.269955	.093139	-.051559
.24	.607743	.409281	.217459	.044034	-.091379
.26	.559433	.358226	.166928	-.001558	-.126484
.28	.510324	.307846	.118583	-.043558	-.156991
.30	.460757	.258430	.072620	-.081910	-.183034
.32	.411060	.210250	.029211	-.116586	-.204768
.34	.361555	.163557	-.011494	-.147581	-.222363
.36	.312547	.118584	-.049370	-.174912	-.236003
.38	.264327	.075542	-.084319	-.198620	-.245889
.40	.217170	.034620	-.116262	-.218768	-.252230
.42	.171332	-.004014	-.145146	-.235437	-.255247
.44	.127050	-.040217	-.170941	-.248724	-.255169
.46	.084543	-.073866	-.193640	-.258754	-.252230
.48	.044006	-.104863	-.213254	-.265454	-.246670
.50	.005613	-.133131	-.229819	-.269573	-.238732
.52	-.030483	-.158615	-.243386	-.270670	-.228659
.54	-.064152	-.181283	-.254026	-.269116	-.216696
.56	-.095284	-.201124	-.261828	-.265090	-.203083
.58	-.123794	-.218146	-.266895	-.258781	-.188060
.60	-.149623	-.232376	-.269344	-.250380	-.171860
.62	-.172722	-.243861	-.269306	-.240087	-.154711
.64	-.193072	-.252665	-.266922	-.228101	-.136833
.66	-.210672	-.258866	-.262342	-.214624	-.118439
.68	-.225539	-.262559	-.255726	-.199858	-.099731
.70	-.237711	-.263851	-.247240	-.184002	-.080903
.72	-.247241	-.262841	-.237056	-.167254	-.062136
.74	-.254199	-.259721	-.225347	-.149807	-.043600
.76	-.258671	-.254370	-.212290	-.131848	-.025452
.78	-.260754	-.247554	-.198065	-.113558	-.007839
.80	-.260562	-.238827	-.182849	-.095111	.009108
.82	-.258215	-.228549	-.166817	-.076673	.025271
.84	-.253847	-.216882	-.150142	-.058400	.040543
.86	-.247597	-.203989	-.132994	-.040438	.054834
.88	-.239614	-.190038	-.115537	-.022924	.068065
.90	-.230049	-.175193	-.097928	-.005984	.080170
.92	-.219061	-.159617	-.080319	.010270	.091099
.94	-.206809	-.143473	-.062853	.025733	.100811
.96	-.193456	-.126917	-.045665	.040315	.109280
.98	-.179161	-.110103	-.028881	.053937	.116491
1.00	-.164088	-.093177	-.012617	.066531	.122440
1.02	-.148394	-.076280	.003020	.078041	.127134
1.04	-.132236	-.059546	.017933	.088424	.130891
1.06	-.115764	-.043101	.032037	.097647	.132837
1.08	-.099125	-.027062	.045256	.105488	.133908
1.10	-.082461	-.011536	.057526	.112535	.133847
1.12	-.065904	.003376	.068793	.118188	.132705
1.14	-.049581	.017585	.079013	.122655	.130540
1.16	-.033610	.031011	.088153	.125954	.127413
1.18	-.018103	.043985	.096190	.128111	.123394
1.20	-.003158	.055247	.103111	.129160	.118554
1.22	.011131	.065947	.108912	.129142	.112968
1.24	.024682	.075646	.113599	.128107	.106715
1.26	.037423	.084312	.117185	.126106	.099873
1.28	.049291	.091926	.119693	.123201	.092523
1.30	.060234	.098476	.121150	.119453	.084747
1.32	.070208	.103960	.121594	.114930	.076625
1.34	.079179	.108383	.121067	.109703	.068237
1.36	.087123	.111759	.119617	.103844	.059662
1.38	.094025	.114109	.117297	.097427	.050976
1.40	.099879	.115463	.114165	.090527	.042252
1.42	.104688	.115854	.110281	.083221	.033561
1.44	.108461	.115324	.105711	.075583	.024971
1.46	.111216	.113919	.100520	.067688	.016544
1.48	.112979	.111690	.094777	.059610	.008340

$$R_5(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353593	.316228
.02	.479942	.406289	.324171	.277489	.246456
.04	.389730	.320624	.248271	.209246	.184087
.06	.306609	.242759	.180195	.148437	.128731
.08	.230490	.172433	.119579	.094677	.080001
.10	.161102	.109370	.066058	.047579	.037511
.12	.098394	.053283	.019259	.006755	.000877
.14	.042137	.003871	-.021191	-.028180	-.030279
.16	-.007878	-.039176	-.055666	-.057608	-.056334
.18	-.051875	-.076177	-.084544	-.081910	-.077655
.20	-.090096	-.107458	-.108197	-.101459	-.094608
.22	-.122794	-.133352	-.126998	-.116625	-.107547
.24	-.150235	-.154193	-.141316	-.127769	-.116820
.26	-.172694	-.170322	-.151514	-.135247	-.122766
.28	-.190498	-.182078	-.157950	-.139405	-.125714
.30	-.203819	-.189800	-.160975	-.140577	-.125981
.32	-.213073	-.193826	-.160931	-.139090	-.123876
.34	-.218523	-.194489	-.158151	-.135258	-.119692
.36	-.220470	-.192119	-.152957	-.129383	-.113711
.38	-.219219	-.187040	-.145661	-.121755	-.106203
.40	-.215071	-.179565	-.136561	-.112649	-.097424
.42	-.208325	-.170003	-.125945	-.102326	-.087615
.44	-.199277	-.158650	-.114084	-.091036	-.077002
.46	-.188215	-.145792	-.101236	-.079010	-.065799
.48	-.175421	-.131703	-.087646	-.066467	-.054203
.50	-.161169	-.116446	-.073541	-.053608	-.042398
.52	-.145723	-.100867	-.059134	-.040621	-.030551
.54	-.129337	-.084600	-.044623	-.027676	-.018815
.56	-.112252	-.068066	-.030189	-.014931	-.007329
.58	-.094697	-.051468	-.015997	-.002525	.0003782
.60	-.076891	-.034995	-.002196	.000915	.014410
.62	-.059035	-.018820	.011079	.020780	.024459
.64	-.041318	-.003099	.023712	.031473	.033847
.66	-.023915	.012025	.035599	.041413	.042505
.68	-.006983	.026427	.046654	.050552	.050376
.70	.009332	.039998	.056802	.058774	.057418
.72	.024903	.052643	.065985	.066099	.063597
.74	.039615	.064283	.074158	.072476	.068892
.76	.053371	.074852	.081288	.077887	.073293
.78	.066086	.084302	.087354	.082324	.076798
.80	.077691	.092594	.092349	.085790	.079416
.82	.088133	.099706	.096275	.088298	.081161
.84	.097370	.105625	.099144	.089666	.082058
.86	.105373	.110354	.100978	.090525	.082138
.88	.112129	.113902	.101807	.090309	.081437
.90	.117633	.116292	.101670	.089260	.079998
.92	.121895	.117555	.100611	.087426	.077866
.94	.124932	.117729	.098681	.084859	.075094
.96	.126773	.116863	.095937	.081615	.071735
.98	.127457	.115011	.092441	.077753	.067846
1.00	.127028	.112232	.088255	.073336	.063485
1.02	.125540	.108591	.083449	.068428	.058713
1.04	.123053	.104159	.078090	.063094	.053591
1.06	.119631	.099008	.072252	.057399	.048178
1.08	.115345	.093214	.066005	.051410	.042536
1.10	.110268	.086855	.059421	.045191	.036724
1.12	.104479	.080008	.052872	.038807	.030801
1.14	.098056	.072754	.045527	.032320	.024822
1.16	.091080	.065170	.038357	.025791	.018842
1.18	.083634	.057336	.031127	.019277	.012913
1.20	.075799	.049326	.023901	.012833	.007083
1.22	.067656	.041216	.016739	.006511	.001399
1.24	.059286	.033077	.009701	.000360	-.000099
1.26	.050767	.024978	.002838	-.000575	-.0009370
1.28	.042176	.016984	-.003797	-.011254	-.014379
1.30	.033584	.009156	-.010161	-.016639	-.019096
1.32	.025062	.001551	-.016212	-.021699	-.023493
1.34	.016675	-.005778	-.021912	-.026403	-.027545
1.36	.008487	-.012782	-.027229	-.030729	-.031235
1.38	.000553	-.019420	-.032136	-.034655	-.034546
1.40	-.007072	-.025651	-.036609	-.038166	-.037466
1.42	-.014341	-.031444	-.040629	-.041250	-.039986
1.44	-.021212	-.036769	-.044184	-.043900	-.042104
1.46	-.027645	-.041604	-.047262	-.046111	-.043817
1.48	-.033610	-.045931	-.049860	-.047884	-.045128

$$R_5(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	.113781	.108690	.088551	.051419	.000414
1.52	.1137	.1050	.0819	.0432	-.0072
1.54	.1127	.1006	.0749	.0350	-.0144
1.56	.1108	.0957	.0677	.0268	-.0212
1.58	.1082	.0902	.0602	.0189	-.0276
1.60	.1049	.0843	.0526	.0111	-.0335
1.62	.1009	.0780	.0450	.0036	-.0388
1.64	.0963	.0713	.0373	-.0037	-.0437
1.66	.0911	.0644	.0297	-.0106	-.0480
1.68	.0855	.0573	.0222	-.0171	-.0518
1.70	.0794	.0501	.0148	-.0232	-.0550
1.72	.0731	.0429	.0077	-.0288	-.0576
1.74	.0664	.0356	.0008	-.0340	-.0598
1.76	.0595	.0283	-.0058	-.0387	-.0613
1.78	.0525	.0212	-.0121	-.0429	-.0623
1.80	.0454	.0142	-.0179	-.0466	-.0629
1.82	.0382	.0074	-.0234	-.0497	-.0629
1.84	.0311	.0009	-.0285	-.0524	-.0624
1.86	.0240	-.0054	-.0331	-.0545	-.0615
1.88	.0171	-.0113	-.0373	-.0561	-.0601
1.90	.0103	-.0169	-.0410	-.0573	-.0584
1.92	.0038	-.0221	-.0442	-.0579	-.0563
1.94	-.0025	-.0269	-.0469	-.0581	-.0539
1.96	-.0084	-.0312	-.0492	-.0578	-.0511
1.98	-.0141	-.0352	-.0509	-.0571	-.0481
2.00	-.0194	-.0387	-.0522	-.0560	-.0449
2.02	-.0242	-.0417	-.0531	-.0545	-.0414
2.04	-.0287	-.0443	-.0535	-.0527	-.0379
2.06	-.0328	-.0465	-.0535	-.0505	-.0341
2.08	-.0364	-.0482	-.0531	-.0481	-.0303
2.10	-.0396	-.0494	-.0522	-.0454	-.0264
2.12	-.0424	-.0502	-.0511	-.0424	-.0225
2.14	-.0447	-.0506	-.0495	-.0393	-.0186
2.16	-.0465	-.0506	-.0477	-.0360	-.0148
2.18	-.0479	-.0502	-.0456	-.0326	-.0109
2.20	-.0489	-.0494	-.0433	-.0291	-.0072
2.22	-.0495	-.0483	-.0407	-.0256	-.0036
2.24	-.0497	-.0469	-.0379	-.0220	-.0001
2.26	-.0494	-.0451	-.0349	-.0184	.0032
2.28	-.0488	-.0431	-.0319	-.0148	.0063
2.30	-.0479	-.0409	-.0287	-.0112	.0093
2.32	-.0466	-.0385	-.0254	-.0078	.0120
2.34	-.0451	-.0358	-.0221	-.0044	.0146
2.36	-.0432	-.0330	-.0188	-.0012	.0169
2.38	-.0411	-.0301	-.0155	.0019	.0190
2.40	-.0388	-.0271	-.0122	.0049	.0208
2.42	-.0363	-.0240	-.0090	.0077	.0224
2.44	-.0337	-.0209	-.0058	.0103	.0238
2.46	-.0309	-.0178	-.0027	.0127	.0249
2.48	-.0279	-.0146	.0002	.0149	.0258
2.50	-.0249	-.0115	.0030	.0169	.0264
2.52	-.0219	-.0085	.0057	.0186	.0268
2.54	-.0188	-.0055	.0082	.0202	.0270
2.56	-.0157	-.0026	.0105	.0215	.0270
2.58	-.0127	.0002	.0126	.0226	.0268
2.60	-.0096	.0029	.0145	.0235	.0264
2.62	-.0067	.0054	.0163	.0241	.0258
2.64	-.0038	.0077	.0178	.0246	.0250
2.66	-.0010	.0099	.0192	.0248	.0241
2.68	.0016	.0119	.0203	.0248	.0230
2.70	.0042	.0138	.0212	.0247	.0218
2.72	.0066	.0154	.0219	.0243	.0205
2.74	.0088	.0169	.0224	.0238	.0191
2.76	.0108	.0181	.0227	.0232	.0176
2.78	.0127	.0192	.0229	.0223	.0160
2.80	.0144	.0200	.0228	.0214	.0144
2.82	.0159	.0207	.0226	.0203	.0128
2.84	.0172	.0212	.0222	.0191	.0111
2.86	.0184	.0215	.0217	.0179	.0095
2.88	.0193	.0216	.0210	.0165	.0078
2.90	.0200	.0216	.0202	.0151	.0061
2.92	.0206	.0214	.0193	.0137	.0045
2.94	.0210	.0210	.0182	.0121	.0029
2.96	.0212	.0205	.0171	.0106	.0014
2.98	.0212	.0198	.0159	.0091	-.0001

$$R_5(x, r)$$

$x \quad r$	3.0	4.0	6.0	8.0	10.0
1.50	-.039077	-.049735	-.051975	-.049221	-.046043
1.52	-.0440	-.0550	-.0536	-.0501	-.0466
1.54	-.0484	-.0557	-.0548	-.0506	-.0467
1.56	-.0523	-.0580	-.0555	-.0507	-.0465
1.58	-.0556	-.0596	-.0557	-.0504	-.0460
1.60	-.0584	-.0608	-.0555	-.0497	-.0451
1.62	-.0606	-.0614	-.0549	-.0487	-.0439
1.64	-.0622	-.0616	-.0540	-.0473	-.0424
1.66	-.0633	-.0613	-.0526	-.0457	-.0406
1.68	-.0639	-.0605	-.0509	-.0438	-.0387
1.70	-.0640	-.0593	-.0489	-.0416	-.0365
1.72	-.0635	-.0577	-.0466	-.0391	-.0341
1.74	-.0627	-.0558	-.0440	-.0365	-.0315
1.76	-.0614	-.0535	-.0412	-.0337	-.0289
1.78	-.0596	-.0509	-.0382	-.0308	-.0261
1.80	-.0575	-.0480	-.0351	-.0278	-.0232
1.82	-.0551	-.0449	-.0318	-.0247	-.0203
1.84	-.0523	-.0415	-.0284	-.0215	-.0173
1.86	-.0493	-.0380	-.0250	-.0183	-.0143
1.88	-.0460	-.0344	-.0215	-.0150	-.0114
1.90	-.0426	-.0306	-.0179	-.0118	-.0085
1.92	-.0389	-.0268	-.0144	-.0087	-.0056
1.94	-.0351	-.0230	-.0110	-.0056	-.0028
1.96	-.0312	-.0191	-.0076	-.0026	-.0001
1.98	-.0273	-.0153	-.0042	-.0003	.0025
2.00	-.0233	-.0115	-.0010	.0031	.0049
2.02	-.0193	-.0078	.0020	.0057	.0073
2.04	-.0154	-.0042	.0050	.0082	.0094
2.06	-.0114	-.0007	.0078	.0105	.0114
2.08	-.0076	.0027	.0104	.0126	.0133
2.10	-.0039	.0058	.0128	.0146	.0149
2.12	-.0003	.0088	.0150	.0163	.0164
2.14	.0031	.0116	.0170	.0179	.0177
2.16	.0063	.0142	.0188	.0193	.0188
2.18	.0094	.0166	.0203	.0204	.0197
2.20	.0122	.0188	.0217	.0214	.0205
2.22	.0149	.0207	.0228	.0222	.0210
2.24	.0173	.0223	.0237	.0227	.0214
2.26	.0194	.0238	.0244	.0231	.0216
2.28	.0214	.0250	.0249	.0233	.0216
2.30	.0231	.0259	.0252	.0233	.0215
2.32	.0245	.0266	.0253	.0231	.0212
2.34	.0257	.0271	.0252	.0228	.0208
2.36	.0266	.0274	.0249	.0223	.0202
2.38	.0273	.0274	.0244	.0217	.0195
2.40	.0278	.0272	.0238	.0209	.0187
2.42	.0280	.0269	.0230	.0200	.0178
2.44	.0280	.0263	.0221	.0190	.0168
2.46	.0278	.0256	.0211	.0179	.0158
2.48	.0274	.0247	.0199	.0168	.0146
2.50	.0268	.0237	.0187	.0155	.0134
2.52	.0260	.0226	.0173	.0142	.0122
2.54	.0251	.0213	.0159	.0128	.0109
2.56	.0240	.0199	.0145	.0115	.0096
2.58	.0228	.0184	.0130	.0100	.0083
2.60	.0215	.0169	.0115	.0086	.0069
2.62	.0200	.0153	.0099	.0072	.0056
2.64	.0185	.0137	.0084	.0058	.0043
2.66	.0169	.0120	.0068	.0044	.0031
2.68	.0153	.0103	.0053	.0030	.0018
2.70	.0136	.0087	.0038	.0017	.0007
2.72	.0119	.0070	.0024	.0005	-.0005
2.74	.0102	.0054	.0010	-.0008	-.0016
2.76	.0084	.0038	-.0004	-.0019	-.0026
2.78	.0067	.0022	-.0016	-.0030	-.0035
2.80	.0050	.0007	-.0028	-.0040	-.0044
2.82	.0034	-.0007	-.0040	-.0049	-.0052
2.84	.0018	-.0021	-.0050	-.0058	-.0060
2.86	.0003	-.0034	-.0060	-.0066	-.0066
2.88	-.0012	-.0046	-.0068	-.0072	-.0072
2.90	-.0026	-.0057	-.0076	-.0078	-.0077
2.92	-.0039	-.0067	-.0083	-.0084	-.0081
2.94	-.0051	-.0076	-.0089	-.0088	-.0084
2.96	-.0062	-.0085	-.0094	-.0091	-.0086
2.98	-.0072	-.0092	-.0098	-.0094	-.0088

$$R_5(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
3.00	.0211	.0191	.0146	.0075	-.0015
3.02	.0208	.0182	.0133	.0060	-.0028
3.04	.0203	.0172	.0119	.0045	-.0041
3.06	.0198	.0161	.0106	.0030	-.0052
3.08	.0191	.0150	.0091	.0016	-.0063
3.10	.0183	.0138	.0077	.0002	-.0073
3.12	.0173	.0126	.0063	-.0011	-.0081
3.14	.0163	.0113	.0049	-.0023	-.0089
3.16	.0152	.0099	.0035	-.0035	-.0096
3.18	.0141	.0086	.0022	-.0046	-.0101
3.20	.0129	.0073	.0009	-.0056	-.0106
3.22	.0116	.0059	-.0003	-.0065	-.0109
3.24	.0103	.0046	-.0015	-.0073	-.0112
3.26	.0090	.0033	-.0026	-.0081	-.0114
3.28	.0077	.0020	-.0037	-.0087	-.0114
3.30	.0064	.0008	-.0046	-.0092	-.0114
3.32	.0051	-.0004	-.0055	-.0097	-.0113
3.34	.0038	-.0015	-.0063	-.0100	-.0111
3.36	.0026	-.0025	-.0071	-.0103	-.0108
3.38	.0013	-.0035	-.0077	-.0105	-.0105
3.40	.0002	-.0044	-.0082	-.0105	-.0101
3.42	-.0010	-.0053	-.0087	-.0105	-.0096
3.44	-.0020	-.0060	-.0091	-.0105	-.0091
3.46	-.0030	-.0067	-.0094	-.0103	-.0085
3.48	-.0040	-.0073	-.0096	-.0101	-.0079
3.50	-.0048	-.0078	-.0097	-.0098	-.0073
3.52	-.0056	-.0083	-.0097	-.0094	-.0066
3.54	-.0063	-.0086	-.0097	-.0090	-.0060
3.56	-.0069	-.0089	-.0096	-.0085	-.0053
3.58	-.0075	-.0091	-.0094	-.0080	-.0045
3.60	-.0079	-.0092	-.0091	-.0075	-.0038
3.62	-.0083	-.0092	-.0088	-.0069	-.0031
3.64	-.0086	-.0092	-.0085	-.0063	-.0024
3.66	-.0088	-.0091	-.0081	-.0057	-.0016
3.68	-.0090	-.0089	-.0076	-.0050	-.0011
3.70	-.0090	-.0087	-.0071	-.0044	-.0004
3.72	-.0090	-.0084	-.0066	-.0037	.0002
3.74	-.0089	-.0080	-.0061	-.0031	.0008
3.76	-.0088	-.0077	-.0055	-.0024	.0013
3.78	-.0086	-.0072	-.0049	-.0018	.0018
3.80	-.0083	-.0068	-.0043	-.0012	.0023
3.82	-.0080	-.0063	-.0037	-.0006	.0028
3.84	-.0077	-.0058	-.0031	.0000	.0032
3.86	-.0073	-.0052	-.0025	.0006	.0035
3.88	-.0068	-.0047	-.0019	.0011	.0038
3.90	-.0064	-.0041	-.0013	.0016	.0041
3.92	-.0059	-.0035	-.0008	.0020	.0043
3.94	-.0053	-.0030	-.0002	.0024	.0045
3.96	-.0048	-.0024	.0003	.0028	.0047
3.98	-.0043	-.0018	.0008	.0032	.0048
4.00	-.0037	-.0013	.0013	.0035	.0048
4.02	-.0031	-.0008	.0017	.0037	.0048
4.04	-.0026	-.0002	.0021	.0039	.0048
4.06	-.0020	.0002	.0025	.0041	.0047
4.08	-.0015	.0007	.0028	.0043	.0047
4.10	-.0010	.0012	.0031	.0044	.0045
4.12	-.0004	.0016	.0034	.0044	.0044
4.14	.0001	.0020	.0036	.0044	.0042
4.16	.0005	.0023	.0038	.0044	.0040
4.18	.0010	.0026	.0039	.0044	.0038
4.20	.0014	.0029	.0041	.0043	.0035
4.22	.0018	.0031	.0041	.0042	.0033
4.24	.0021	.0033	.0042	.0041	.0030
4.26	.0025	.0035	.0042	.0039	.0027
4.28	.0027	.0037	.0042	.0037	.0024
4.30	.0030	.0038	.0041	.0035	.0021
4.32	.0032	.0038	.0040	.0033	.0018
4.34	.0034	.0039	.0039	.0031	.0015
4.36	.0036	.0039	.0038	.0028	.0012
4.38	.0037	.0039	.0036	.0025	.0009
4.40	.0038	.0038	.0034	.0023	.0006
4.42	.0038	.0037	.0032	.0020	.0003
4.44	.0038	.0036	.0030	.0017	.0001
4.46	.0038	.0035	.0028	.0014	-.0002
4.48	.0038	.0033	.0026	.0012	-.0004

$$R_5(x, r)$$

$x \quad r$	3.0	4.0	6.0	8.0	10.0
3.00	-.0082	-.0098	-.0101	-.0095	-.0089
3.02	-.0090	-.0103	-.0103	-.0096	-.0089
3.04	-.0097	-.0107	-.0104	-.0096	-.0089
3.06	-.0103	-.0110	-.0105	-.0096	-.0088
3.08	-.0108	-.0112	-.0104	-.0094	-.0086
3.10	-.0112	-.0113	-.0103	-.0092	-.0084
3.12	-.0115	-.0113	-.0101	-.0090	-.0081
3.14	-.0117	-.0112	-.0098	-.0086	-.0077
3.16	-.0118	-.0111	-.0095	-.0083	-.0074
3.18	-.0117	-.0109	-.0091	-.0078	-.0069
3.20	-.0117	-.0105	-.0087	-.0074	-.0065
3.22	-.0115	-.0102	-.0082	-.0069	-.0060
3.24	-.0112	-.0097	-.0077	-.0064	-.0055
3.26	-.0109	-.0092	-.0071	-.0058	-.0050
3.28	-.0105	-.0087	-.0065	-.0053	-.0044
3.30	-.0100	-.0081	-.0059	-.0047	-.0039
3.32	-.0095	-.0075	-.0053	-.0041	-.0033
3.34	-.0089	-.0068	-.0046	-.0035	-.0028
3.36	-.0083	-.0062	-.0040	-.0029	-.0022
3.38	-.0077	-.0055	-.0033	-.0023	-.0017
3.40	-.0070	-.0048	-.0027	-.0017	-.0012
3.42	-.0063	-.0041	-.0021	-.0011	-.0006
3.44	-.0056	-.0033	-.0014	-.0006	-.0001
3.46	-.0049	-.0026	-.0008	-.0001	.0003
3.48	-.0042	-.0020	-.0002	.0004	.0008
3.50	-.0034	-.0013	.0003	.0009	.0012
3.52	-.0027	-.0006	.0008	.0014	.0016
3.54	-.0020	.0000	.0013	.0018	.0020
3.56	-.0013	.0006	.0018	.0022	.0023
3.58	-.0007	.0012	.0023	.0025	.0026
3.60	-.0000	.0017	.0026	.0028	.0029
3.62	.0006	.0022	.0030	.0031	.0031
3.64	.0012	.0027	.0033	.0034	.0033
3.66	.0017	.0031	.0036	.0036	.0035
3.68	.0022	.0035	.0038	.0037	.0036
3.70	.0027	.0038	.0040	.0039	.0037
3.72	.0031	.0041	.0042	.0040	.0037
3.74	.0035	.0044	.0043	.0040	.0038
3.76	.0038	.0046	.0044	.0041	.0038
3.78	.0041	.0047	.0044	.0041	.0038
3.80	.0043	.0049	.0044	.0040	.0037
3.82	.0045	.0049	.0044	.0040	.0036
3.84	.0047	.0050	.0044	.0039	.0035
3.86	.0048	.0050	.0043	.0038	.0034
3.88	.0049	.0049	.0042	.0036	.0032
3.90	.0049	.0049	.0040	.0035	.0031
3.92	.0049	.0048	.0038	.0033	.0029
3.94	.0048	.0046	.0036	.0031	.0027
3.96	.0047	.0045	.0034	.0029	.0025
3.98	.0046	.0043	.0032	.0026	.0023
4.00	.0045	.0040	.0030	.0024	.0021
4.02	.0043	.0038	.0027	.0022	.0018
4.04	.0041	.0036	.0025	.0019	.0016
4.06	.0038	.0033	.0022	.0017	.0014
4.08	.0036	.0030	.0019	.0014	.0011
4.10	.0033	.0027	.0016	.0012	.0009
4.12	.0030	.0024	.0014	.0009	.0007
4.14	.0028	.0022	.0011	.0007	.0005
4.16	.0025	.0019	.0008	.0004	.0002
4.18	.0021	.0016	.0006	.0002	.0000
4.20	.0018	.0013	.0003	-.0000	-.0002
4.22	.0015	.0010	.0001	-.0002	-.0004
4.24	.0012	.0007	-.0002	-.0004	-.0005
4.26	.0009	.0004	-.0004	-.0006	-.0007
4.28	.0006	.0002	-.0006	-.0008	-.0008
4.30	.0003	-.0001	-.0008	-.0010	-.0010
4.32	.0000	-.0003	-.0010	-.0011	-.0011
4.34	-.0002	-.0005	-.0011	-.0012	-.0012
4.36	-.0005	-.0007	-.0013	-.0014	-.0013
4.38	-.0007	-.0009	-.0014	-.0015	-.0014
4.40	-.0010	-.0011	-.0015	-.0015	-.0014
4.42	-.0012	-.0013	-.0016	-.0016	-.0015
4.44	-.0014	-.0014	-.0017	-.0017	-.0015
4.46	-.0015	-.0015	-.0018	-.0017	-.0016
4.48	-.0017	-.0016	-.0018	-.0017	-.0016

$$R_5(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	.0037	.0032	.0023	.0009	-.0007
4.52	.0036	.0030	.0021	.0006	-.0009
4.54	.0035	.0028	.0018	.0003	-.0011
4.56	.0034	.0026	.0016	.0001	-.0013
4.58	.0032	.0023	.0013	-.0001	-.0014
4.60	.0030	.0021	.0011	-.0004	-.0016
4.62	.0028	.0019	.0008	-.0006	-.0017
4.64	.0026	.0016	.0006	-.0008	-.0018
4.66	.0024	.0014	.0003	-.0010	-.0019
4.68	.0022	.0011	.0001	-.0012	-.0020
4.70	.0020	.0009	-.0001	-.0013	-.0020
4.72	.0017	.0007	-.0003	-.0015	-.0021
4.74	.0015	.0004	-.0005	-.0016	-.0021
4.76	.0013	.0002	-.0007	-.0017	-.0021
4.78	.0010	-.0000	-.0009	-.0018	-.0021
4.80	.0008	-.0002	-.0010	-.0019	-.0021
4.82	.0006	-.0004	-.0011	-.0019	-.0020
4.84	.0003	-.0006	-.0013	-.0020	-.0020
4.86	.0001	-.0008	-.0014	-.0020	-.0019
4.88	-.0001	-.0009	-.0015	-.0020	-.0018
4.90	-.0003	-.0011	-.0015	-.0020	-.0017
4.92	-.0005	-.0012	-.0016	-.0020	-.0016
4.94	-.0006	-.0013	-.0016	-.0019	-.0015
4.96	-.0008	-.0014	-.0017	-.0019	-.0014
4.98	-.0010	-.0015	-.0017	-.0018	-.0013
5.00	-.0011	-.0016	-.0017	-.0018	-.0012

$$R_5(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	-.0018	-.0017	-.0018	-.0017	-.0016
4.52	-.0020	-.0017	-.0018	-.0017	-.0015
4.54	-.0021	-.0018	-.0018	-.0017	-.0015
4.56	-.0021	-.0018	-.0018	-.0017	-.0015
4.58	-.0022	-.0018	-.0018	-.0016	-.0014
4.60	-.0023	-.0018	-.0017	-.0016	-.0014
4.62	-.0023	-.0018	-.0017	-.0015	-.0013
4.64	-.0023	-.0017	-.0016	-.0014	-.0012
4.66	-.0023	-.0017	-.0015	-.0013	-.0012
4.68	-.0023	-.0016	-.0015	-.0013	-.0011
4.70	-.0022	-.0015	-.0014	-.0012	-.0010
4.72	-.0022	-.0014	-.0013	-.0011	-.0009
4.74	-.0021	-.0013	-.0012	-.0010	-.0008
4.76	-.0020	-.0012	-.0011	-.0009	-.0007
4.78	-.0019	-.0011	-.0009	-.0008	-.0006
4.80	-.0018	-.0010	-.0008	-.0006	-.0005
4.82	-.0017	-.0009	-.0007	-.0005	-.0004
4.84	-.0016	-.0008	-.0006	-.0004	-.0003
4.86	-.0015	-.0006	-.0005	-.0003	-.0002
4.88	-.0014	-.0005	-.0004	-.0002	-.0001
4.90	-.0013	-.0004	-.0002	-.0001	-.0000
4.92	-.0011	-.0002	-.0001	-.0000	.0001
4.94	-.0010	-.0001	-.0000	.0001	.0002
4.96	-.0009	.0000	.0001	.0002	.0002
4.98	-.0007	.0002	.0002	.0002	.0003
5.00	-.0006	.0003	.0003	.0003	.0004

$$R_6(x, r)$$

x \ r	1.0	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.986525	.910373	.820532	.712453	.578401
.04	.966323	.862526	.745094	.611643	.459297
.06	.939773	.810506	.668794	.514623	.349865
.08	.907306	.754923	.592293	.421898	.250111
.10	.869406	.696401	.516235	.333917	.159978
.12	.826592	.635370	.441232	.251074	.079350
.14	.779421	.573064	.367868	.173705	.008051
.16	.728473	.509509	.296684	.102084	-.054149
.18	.674347	.445517	.228183	.036427	-.107532
.20	.617656	.381682	.162820	-.023112	-.152428
.22	.559012	.318576	.101003	-.076437	-.189210
.24	.499028	.256736	.043088	-.123511	-.218289
.26	.438308	.196670	-.010621	-.164353	-.240111
.28	.377437	.138844	-.059874	-.199036	-.255152
.30	.316982	.083684	-.104475	-.227682	-.263908
.32	.257481	.031569	-.144280	-.250464	-.266899
.34	.199643	-.017165	-.179201	-.267597	-.264656
.36	.143339	-.062233	-.209199	-.279335	-.257717
.38	.089603	-.103400	-.234285	-.285969	-.246628
.40	.038625	-.140479	-.254820	-.287821	-.231928
.42	-.009248	-.173334	-.270008	-.285261	-.214156
.44	-.053718	-.201876	-.280893	-.278600	-.193837
.46	-.094531	-.226067	-.287361	-.268285	-.171483
.48	-.131484	-.245913	-.289630	-.254699	-.147587
.50	-.164422	-.261463	-.287950	-.238250	-.122621
.52	-.193238	-.272809	-.282597	-.219352	-.097033
.54	-.217872	-.280083	-.273871	-.198418	-.071240
.56	-.238310	-.283448	-.262890	-.175856	-.045633
.58	-.254581	-.283104	-.247585	-.152065	-.020570
.60	-.266755	-.279277	-.230699	-.127433	.003625
.62	-.274942	-.272218	-.211781	-.102331	.026663
.64	-.279288	-.262198	-.191179	-.077114	.048290
.66	-.279972	-.249508	-.169244	-.052112	.068287
.68	-.277200	-.234449	-.146318	-.027636	.086471
.70	-.271206	-.217333	-.122737	-.003968	.102695
.72	-.262255	-.198476	-.098822	.018635	.116847
.74	-.250592	-.178199	-.074683	.039944	.128848
.76	-.236534	-.156817	-.051210	.059761	.138651
.78	-.220369	-.134644	-.028075	.077917	.146242
.80	-.202404	-.111983	-.005728	.094271	.151634
.82	-.182948	-.089128	.015404	.108714	.154868
.84	-.162310	-.066356	.035719	.121164	.156010
.86	-.140794	-.043933	.054438	.131571	.155149
.88	-.118700	-.022103	.071609	.139908	.152392
.90	-.096316	-.001092	.087108	.146178	.147867
.92	-.073921	.018897	.100835	.150406	.141716
.94	-.051775	.037682	.112716	.152642	.134092
.96	-.030125	.055104	.122704	.152954	.125161
.98	-.009198	.071030	.130774	.151438	.115093
1.00	.010801	.085348	.136928	.148195	.104067
1.02	.029684	.097974	.141186	.143348	.092261
1.04	.047290	.108845	.143593	.137033	.079855
1.06	.063479	.117922	.144211	.129394	.067028
1.08	.078133	.125189	.143121	.120586	.053953
1.10	.091162	.130652	.140418	.110768	.040800
1.12	.102494	.134336	.136213	.100103	.027729
1.14	.112083	.136287	.130627	.088756	.014892
1.16	.119906	.136548	.123791	.076894	.002432
1.18	.125959	.135256	.115846	.064678	-.009522
1.20	.130261	.132446	.106937	.052269	-.020850
1.22	.132848	.128243	.097214	.039819	-.031449
1.24	.133775	.122763	.086827	.027476	-.041226
1.26	.133113	.116132	.075929	.015377	-.050105
1.28	.130948	.108482	.064469	.003651	-.058023
1.30	.127378	.099950	.053195	-.007583	-.064931
1.32	.122513	.090677	.041649	-.018219	-.070795
1.34	.116472	.080806	.030167	-.028163	-.075595
1.36	.109382	.070477	.018877	-.037332	-.079322
1.38	.101375	.059833	.007900	-.045457	-.081984
1.40	.092588	.049010	-.002653	-.053083	-.083597
1.42	.083159	.038140	-.012682	-.059565	-.084191
1.44	.073228	.027350	-.022098	-.065075	-.083806
1.46	.062932	.016760	-.030820	-.069594	-.082490
1.48	.052407	.006481	-.038784	-.073118	-.080302

$$R_6(x, r)$$

$x \backslash r$	3.0	4.0	5.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228	
.02	.441644	.369504	.291263	.247773	.219231	
.04	.320862	.255476	.190867	.157798	.137165	
.06	.214356	.156914	.105797	.082317	.068733	
.08	.121445	.072808	.034822	.020061	.012684	
.10	.041419	.002153	-.023261	-.030193	-.032180	
.12	-.026459	-.056057	-.069618	-.049625	-.067009	
.14	-.082945	-.102815	-.105382	-.099362	-.092894	
.16	-.128812	-.139106	-.131641	-.120483	-.110876	
.18	-.164841	-.165896	-.149445	-.134017	-.121940	
.20	-.191822	-.184130	-.159797	-.140937	-.127014	
.22	-.210545	-.194730	-.163655	-.142163	-.126972	
.24	-.221794	-.198590	-.161927	-.138561	-.122628	
.26	-.226347	-.196570	-.155471	-.130940	-.114742	
.28	-.224967	-.189497	-.145092	-.120051	-.104016	
.30	-.218401	-.178160	-.131544	-.106593	-.091096	
.32	-.207374	-.163306	-.115527	-.091205	-.076570	
.34	-.192583	-.145640	-.097684	-.074471	-.060975	
.36	-.174699	-.125822	-.078607	-.056919	-.044789	
.38	-.154359	-.104466	-.058831	-.039024	-.028442	
.40	-.132166	-.082137	-.038838	-.021205	-.012308	
.42	-.108683	-.059352	-.019057	-.003832	-.003285	
.44	-.084437	-.036579	.000135	.012777	.018059	
.46	-.059909	-.014236	.018414	.028353	.031781	
.48	-.035542	.007306	.035503	.042673	.044261	
.50	-.011733	.027726	.051172	.055558	.055351	
.52	.011166	.046751	.065240	.066870	.064940	
.54	.032844	.064153	.077565	.076512	.072955	
.56	.053036	.079749	.088047	.084421	.079355	
.58	.071519	.093398	.096626	.090571	.084128	
.60	.088114	.105001	.103274	.094963	.087293	
.62	.102680	.114496	.107996	.097629	.088891	
.64	.115118	.121858	.110828	.098624	.088984	
.66	.125362	.127095	.111832	.098025	.087656	
.68	.133387	.130246	.111091	.095929	.085005	
.70	.139196	.131374	.108710	.092448	.081143	
.72	.142825	.130572	.104811	.087708	.076193	
.74	.144335	.127950	.099530	.081844	.070285	
.76	.143816	.123638	.093014	.075001	.063556	
.78	.141377	.117783	.085420	.067327	.056146	
.80	.137147	.110542	.076908	.058974	.048196	
.82	.131271	.102083	.067643	.050094	.039848	
.84	.123908	.092580	.057791	.040838	.031238	
.86	.115228	.082211	.047516	.031354	.022502	
.88	.105407	.071158	.036980	.021784	.013766	
.90	.094627	.059599	.026336	.012262	.005152	
.92	.083074	.047710	.015734	.002917	-.003228	
.94	.070932	.035663	.005314	-.006133	-.011270	
.96	.058383	.023620	-.004796	-.014780	-.018882	
.98	.045606	.011736	-.014475	-.022928	-.025981	
1.00	.032772	.000162	-.023617	-.030491	-.032495	
1.02	.020045	-.010975	-.032126	-.037397	-.038365	
1.04	.007580	-.021551	-.039922	-.043583	-.043540	
1.06	-.004483	-.031458	-.046936	-.049001	-.047986	
1.08	-.016010	-.040601	-.053112	-.053616	-.051674	
1.10	-.026885	-.048901	-.058409	-.057403	-.054592	
1.12	-.037004	-.056291	-.062798	-.060349	-.056733	
1.14	-.046277	-.062720	-.066264	-.062453	-.058105	
1.16	-.054629	-.068153	-.068803	-.063725	-.058723	
1.18	-.062001	-.072565	-.070424	-.064184	-.058609	
1.20	-.068348	-.075947	-.071146	-.063859	-.057798	
1.22	-.073637	-.078305	-.070998	-.062787	-.056327	
1.24	-.077855	-.079652	-.070019	-.061012	-.054242	
1.26	-.080996	-.080018	-.068256	-.058586	-.051595	
1.28	-.083072	-.079440	-.065764	-.055565	-.048441	
1.30	-.084106	-.077966	-.062603	-.052010	-.044839	
1.32	-.084130	-.075653	-.058840	-.047987	-.040851	
1.34	-.083190	-.072563	-.054545	-.043563	-.036541	
1.36	-.081338	-.068767	-.049792	-.038808	-.031974	
1.38	-.078637	-.064341	-.044655	-.033791	-.027214	
1.40	-.075155	-.059362	-.039212	-.028584	-.022326	
1.42	-.070967	-.053914	-.033540	-.023254	-.017373	
1.44	-.066154	-.048079	-.027714	-.017871	-.012416	
1.46	-.060797	-.041943	-.021809	-.012498	-.007513	
1.48	-.054984	-.035589	-.015897	-.007199	-.002718	

$$R_E(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	.041785	-.003386	-.045935	-.075652	-.077306
1.52	.0312	-.0127	-.0522	-.0772	-.0736
1.54	.0208	-.0215	-.0576	-.0778	-.0692
1.56	.0106	-.0296	-.0621	-.0775	-.0642
1.58	.0008	-.0370	-.0657	-.0764	-.0588
1.60	-.0086	-.0436	-.0684	-.0744	-.0529
1.62	-.0174	-.0494	-.0701	-.0717	-.0467
1.64	-.0256	-.0544	-.0710	-.0684	-.0402
1.66	-.0331	-.0585	-.0711	-.0644	-.0336
1.68	-.0399	-.0618	-.0703	-.0598	-.0270
1.70	-.0459	-.0642	-.0688	-.0548	-.0203
1.72	-.0511	-.0657	-.0666	-.0495	-.0137
1.74	-.0555	-.0665	-.0638	-.0438	-.0073
1.76	-.0590	-.0665	-.0603	-.0379	-.0010
1.78	-.0617	-.0657	-.0564	-.0318	.0049
1.80	-.0636	-.0642	-.0519	-.0257	.0105
1.82	-.0646	-.0620	-.0472	-.0196	.0158
1.84	-.0649	-.0593	-.0421	-.0135	.0206
1.86	-.0645	-.0560	-.0368	-.0076	.0249
1.88	-.0633	-.0523	-.0313	-.0019	.0288
1.90	-.0615	-.0481	-.0257	.0036	.0322
1.92	-.0590	-.0436	-.0201	.0088	.0351
1.94	-.0560	-.0388	-.0146	.0136	.0374
1.96	-.0525	-.0338	-.0091	.0180	.0392
1.98	-.0486	-.0287	-.0038	.0221	.0405
2.00	-.0444	-.0234	.0013	.0257	.0412
2.02	-.0398	-.0182	.0061	.0288	.0415
2.04	-.0350	-.0130	.0106	.0315	.0413
2.06	-.0300	-.0079	.0148	.0336	.0407
2.08	-.0250	-.0030	.0186	.0353	.0396
2.10	-.0199	.0017	.0221	.0365	.0381
2.12	-.0148	.0062	.0251	.0373	.0363
2.14	-.0098	.0104	.0277	.0376	.0341
2.16	-.0049	.0143	.0298	.0375	.0317
2.18	-.0002	.0178	.0315	.0369	.0291
2.20	.0043	.0210	.0328	.0360	.0262
2.22	.0085	.0237	.0337	.0347	.0232
2.24	.0124	.0261	.0341	.0330	.0201
2.26	.0160	.0281	.0341	.0311	.0168
2.28	.0193	.0296	.0337	.0289	.0136
2.30	.0221	.0308	.0330	.0265	.0104
2.32	.0246	.0315	.0320	.0239	.0072
2.34	.0267	.0319	.0306	.0212	.0040
2.36	.0284	.0318	.0289	.0184	.0010
2.38	.0296	.0315	.0270	.0155	-.0019
2.40	.0305	.0307	.0249	.0125	-.0046
2.42	.0310	.0297	.0226	.0096	-.0071
2.44	.0312	.0284	.0202	.0067	-.0095
2.46	.0309	.0268	.0177	.0038	-.0116
2.48	.0304	.0250	.0150	.0011	-.0135
2.50	.0295	.0230	.0124	-.0015	-.0151
2.52	.0283	.0209	.0097	-.0040	-.0165
2.54	.0269	.0186	.0070	-.0063	-.0177
2.56	.0252	.0162	.0044	-.0085	-.0186
2.58	.0233	.0137	.0019	-.0104	-.0192
2.60	.0213	.0113	-.0005	-.0121	-.0196
2.62	.0191	.0088	-.0028	-.0137	-.0198
2.64	.0168	.0063	-.0050	-.0149	-.0197
2.66	.0145	.0039	-.0070	-.0160	-.0194
2.68	.0120	.0015	-.0088	-.0168	-.0189
2.70	.0096	-.0008	-.0105	-.0174	-.0182
2.72	.0072	-.0029	-.0119	-.0178	-.0174
2.74	.0048	-.0049	-.0132	-.0179	-.0164
2.76	.0025	-.0067	-.0142	-.0179	-.0152
2.78	.0002	-.0084	-.0150	-.0176	-.0140
2.80	-.0019	-.0099	-.0156	-.0172	-.0126
2.82	-.0039	-.0113	-.0160	-.0166	-.0112
2.84	-.0058	-.0124	-.0162	-.0158	-.0097
2.86	-.0075	-.0133	-.0163	-.0149	-.0082
2.88	-.0091	-.0141	-.0161	-.0139	-.0067
2.90	-.0104	-.0146	-.0158	-.0127	-.0051
2.92	-.0116	-.0150	-.0153	-.0115	-.0036
2.94	-.0126	-.0152	-.0146	-.0102	-.0021
2.96	-.0134	-.0152	-.0138	-.0089	-.0007
2.98	-.0140	-.0150	-.0129	-.0075	.0007

$$R_E(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	-.048801	-.029100	-.010046	-.002030	.001917
1.52	-.0423	-.0226	-.0043	.0029	.0063
1.54	-.0357	-.0160	.0012	.0077	.0105
1.56	-.0289	-.0096	.0065	.0122	.0144
1.58	-.0221	-.0034	.0115	.0163	.0180
1.60	-.0154	.0026	.0162	.0201	.0212
1.62	-.0088	.0084	.0204	.0235	.0241
1.64	-.0023	.0138	.0243	.0265	.0265
1.66	.0038	.0188	.0278	.0291	.0286
1.68	.0097	.0233	.0307	.0313	.0303
1.70	.0152	.0275	.0333	.0330	.0315
1.72	.0202	.0311	.0353	.0343	.0324
1.74	.0249	.0342	.0369	.0351	.0329
1.76	.0290	.0368	.0380	.0355	.0330
1.78	.0326	.0389	.0386	.0355	.0327
1.80	.0357	.0405	.0388	.0352	.0321
1.82	.0383	.0415	.0385	.0344	.0311
1.84	.0403	.0421	.0378	.0333	.0299
1.86	.0418	.0421	.0368	.0319	.0283
1.88	.0427	.0417	.0353	.0302	.0266
1.90	.0432	.0408	.0334	.0283	.0246
1.92	.0431	.0396	.0316	.0261	.0224
1.94	.0425	.0379	.0293	.0237	.0201
1.96	.0416	.0359	.0268	.0212	.0177
1.98	.0402	.0336	.0241	.0186	.0152
2.00	.0384	.0311	.0213	.0159	.0126
2.02	.0362	.0283	.0183	.0131	.0100
2.04	.0338	.0253	.0153	.0103	.0075
2.06	.0311	.0222	.0123	.0075	.0049
2.08	.0282	.0190	.0093	.0048	.0025
2.10	.0251	.0157	.0063	.0022	.0001
2.12	.0219	.0124	.0034	-.0004	-.0022
2.14	.0186	.0092	.0006	-.0028	-.0044
2.16	.0153	.0059	-.0021	-.0051	-.0064
2.18	.0119	.0028	-.0047	-.0072	-.0082
2.20	.0086	-.0002	-.0070	-.0092	-.0099
2.22	.0053	-.0031	-.0092	-.0109	-.0113
2.24	.0021	-.0058	-.0112	-.0125	-.0126
2.26	-.0010	-.0083	-.0129	-.0138	-.0137
2.28	-.0038	-.0106	-.0145	-.0149	-.0146
2.30	-.0066	-.0126	-.0158	-.0158	-.0152
2.32	-.0091	-.0145	-.0168	-.0165	-.0157
2.34	-.0114	-.0161	-.0176	-.0170	-.0160
2.36	-.0134	-.0174	-.0182	-.0172	-.0161
2.38	-.0152	-.0185	-.0186	-.0173	-.0160
2.40	-.0168	-.0193	-.0187	-.0172	-.0157
2.42	-.0180	-.0198	-.0187	-.0168	-.0153
2.44	-.0191	-.0201	-.0184	-.0164	-.0147
2.46	-.0198	-.0202	-.0179	-.0157	-.0140
2.48	-.0203	-.0201	-.0173	-.0149	-.0132
2.50	-.0206	-.0197	-.0164	-.0140	-.0123
2.52	-.0206	-.0191	-.0155	-.0130	-.0112
2.54	-.0204	-.0184	-.0144	-.0119	-.0101
2.56	-.0199	-.0174	-.0132	-.0107	-.0090
2.58	-.0193	-.0164	-.0120	-.0094	-.0078
2.60	-.0185	-.0152	-.0106	-.0081	-.0066
2.62	-.0175	-.0139	-.0092	-.0068	-.0053
2.64	-.0164	-.0124	-.0078	-.0054	-.0041
2.66	-.0151	-.0110	-.0064	-.0041	-.0029
2.68	-.0137	-.0095	-.0049	-.0028	-.0017
2.70	-.0123	-.0079	-.0035	-.0015	-.0005
2.72	-.0108	-.0063	-.0021	-.0003	.0006
2.74	-.0092	-.0048	-.0007	.0009	.0016
2.76	-.0076	-.0032	.0006	.0020	.0026
2.78	-.0060	-.0017	.0018	.0030	.0035
2.80	-.0044	-.0003	.0029	.0040	.0043
2.82	-.0028	.0011	.0040	.0048	.0050
2.84	-.0013	.0024	.0049	.0056	.0057
2.86	.0001	.0036	.0058	.0062	.0062
2.88	.0015	.0047	.0065	.0068	.0066
2.90	.0028	.0057	.0072	.0072	.0070
2.92	.0040	.0066	.0077	.0076	.0072
2.94	.0051	.0073	.0081	.0078	.0074
2.96	.0061	.0080	.0084	.0080	.0074
2.98	.0069	.0085	.0086	.0080	.0074

$$R_6(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
3.00	-.0144	-.0146	-.0119	-.0061	.0020
3.02	-.0147	-.0141	-.0108	-.0047	.0032
3.04	-.0148	-.0135	-.0097	-.0033	.0043
3.06	-.0146	-.0128	-.0085	-.0020	.0053
3.08	-.0144	-.0119	-.0072	-.0007	.0062
3.10	-.0140	-.0110	-.0060	.0006	.0070
3.12	-.0134	-.0100	-.0047	.0018	.0077
3.14	-.0127	-.0089	-.0034	.0029	.0082
3.16	-.0119	-.0077	-.0022	.0039	.0086
3.18	-.0111	-.0066	-.0010	.0048	.0090
3.20	-.0101	-.0054	.0002	.0056	.0091
3.22	-.0090	-.0042	.0013	.0063	.0092
3.24	-.0080	-.0030	.0023	.0069	.0092
3.26	-.0068	-.0019	.0032	.0074	.0091
3.28	-.0057	-.0008	.0041	.0078	.0088
3.30	-.0045	.0003	.0049	.0081	.0085
3.32	-.0034	.0013	.0056	.0083	.0081
3.34	-.0022	.0023	.0062	.0084	.0076
3.36	-.0011	.0032	.0067	.0084	.0071
3.38	-.0001	.0040	.0071	.0082	.0065
3.40	.0010	.0047	.0073	.0080	.0059
3.42	.0019	.0053	.0075	.0077	.0052
3.44	.0028	.0059	.0076	.0074	.0045
3.46	.0036	.0063	.0077	.0069	.0038
3.48	.0043	.0067	.0076	.0065	.0030
3.50	.0050	.0069	.0074	.0059	.0023
3.52	.0056	.0071	.0072	.0053	.0016
3.54	.0060	.0072	.0069	.0047	.0009
3.56	.0064	.0072	.0065	.0041	.0002
3.58	.0067	.0071	.0061	.0034	-.0004
3.60	.0069	.0069	.0056	.0028	-.0011
3.62	.0070	.0067	.0051	.0021	-.0016
3.64	.0071	.0064	.0045	.0015	-.0022
3.66	.0070	.0060	.0040	.0008	-.0026
3.68	.0069	.0056	.0034	.0002	-.0031
3.70	.0067	.0052	.0028	-.0004	-.0034
3.72	.0064	.0047	.0022	-.0010	-.0038
3.74	.0061	.0042	.0016	-.0015	-.0040
3.76	.0057	.0036	.0010	-.0020	-.0042
3.78	.0053	.0031	.0004	-.0024	-.0044
3.80	.0048	.0025	-.0001	-.0028	-.0045
3.82	.0043	.0020	-.0007	-.0031	-.0045
3.84	.0038	.0014	-.0012	-.0034	-.0045
3.86	.0033	.0009	-.0016	-.0037	-.0044
3.88	.0028	.0003	-.0020	-.0038	-.0043
3.90	.0022	-.0002	-.0024	-.0040	-.0042
3.92	.0017	-.0007	-.0027	-.0041	-.0040
3.94	.0011	-.0011	-.0030	-.0041	-.0037
3.96	.0006	-.0015	-.0032	-.0041	-.0035
3.98	.0001	-.0019	-.0034	-.0040	-.0032
4.00	-.0004	-.0023	-.0036	-.0039	-.0029
4.02	-.0009	-.0026	-.0036	-.0038	-.0026
4.04	-.0013	-.0028	-.0037	-.0036	-.0022
4.06	-.0017	-.0030	-.0037	-.0034	-.0019
4.08	-.0020	-.0032	-.0037	-.0032	-.0016
4.10	-.0023	-.0033	-.0036	-.0029	-.0012
4.12	-.0026	-.0034	-.0035	-.0027	-.0009
4.14	-.0028	-.0034	-.0033	-.0024	-.0005
4.16	-.0030	-.0034	-.0031	-.0021	-.0002
4.18	-.0031	-.0034	-.0029	-.0017	.0001
4.20	-.0032	-.0033	-.0027	-.0014	.0004
4.22	-.0033	-.0032	-.0025	-.0011	.0007
4.24	-.0033	-.0031	-.0022	-.0008	.0009
4.26	-.0033	-.0029	-.0019	-.0005	.0011
4.28	-.0032	-.0027	-.0017	-.0002	.0014
4.30	-.0031	-.0025	-.0014	.0001	.0015
4.32	-.0030	-.0023	-.0011	.0003	.0017
4.34	-.0028	-.0020	-.0008	.0006	.0018
4.36	-.0027	-.0018	-.0005	.0008	.0019
4.38	-.0025	-.0015	-.0003	.0010	.0020
4.40	-.0023	-.0012	.0000	.0012	.0020
4.42	-.0020	-.0010	.0003	.0014	.0020
4.44	-.0018	-.0007	.0005	.0015	.0020
4.46	-.0015	-.0004	.0007	.0016	.0020
4.48	-.0013	-.0002	.0009	.0017	.0019

$$R_6(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.0077	.0089	.0087	.0080	.0073
3.02	.0083	.0092	.0087	.0078	.0071
3.04	.0088	.0093	.0085	.0076	.0069
3.06	.0092	.0094	.0083	.0073	.0065
3.08	.0094	.0093	.0080	.0070	.0062
3.10	.0096	.0092	.0077	.0065	.0057
3.12	.0096	.0089	.0072	.0061	.0053
3.14	.0095	.0086	.0067	.0055	.0047
3.16	.0093	.0081	.0062	.0050	.0042
3.18	.0090	.0076	.0056	.0044	.0036
3.20	.0086	.0071	.0050	.0038	.0031
3.22	.0081	.0064	.0043	.0032	.0025
3.24	.0076	.0058	.0036	.0025	.0019
3.26	.0070	.0051	.0029	.0019	.0013
3.28	.0064	.0044	.0023	.0013	.0008
3.30	.0057	.0036	.0016	.0007	.0002
3.32	.0050	.0029	.0009	.0001	-.0003
3.34	.0042	.0022	.0003	-.0004	-.0008
3.36	.0035	.0014	-.0003	-.0010	-.0012
3.38	.0027	.0007	-.0009	-.0015	-.0017
3.40	.0020	.0001	-.0014	-.0019	-.0020
3.42	.0012	-.0006	-.0019	-.0023	-.0024
3.44	.0005	-.0012	-.0024	-.0027	-.0027
3.46	-.0002	-.0018	-.0028	-.0030	-.0029
3.48	-.0008	-.0023	-.0031	-.0032	-.0031
3.50	-.0014	-.0028	-.0034	-.0034	-.0033
3.52	-.0020	-.0032	-.0037	-.0036	-.0034
3.54	-.0025	-.0035	-.0039	-.0037	-.0035
3.56	-.0030	-.0039	-.0040	-.0038	-.0035
3.58	-.0034	-.0041	-.0041	-.0038	-.0035
3.60	-.0038	-.0043	-.0041	-.0038	-.0035
3.62	-.0041	-.0044	-.0041	-.0037	-.0034
3.64	-.0043	-.0045	-.0041	-.0036	-.0032
3.66	-.0045	-.0045	-.0040	-.0035	-.0031
3.68	-.0046	-.0045	-.0038	-.0033	-.0029
3.70	-.0046	-.0044	-.0037	-.0031	-.0027
3.72	-.0046	-.0043	-.0034	-.0029	-.0025
3.74	-.0046	-.0041	-.0032	-.0026	-.0022
3.76	-.0045	-.0039	-.0029	-.0024	-.0020
3.78	-.0044	-.0037	-.0027	-.0021	-.0017
3.80	-.0042	-.0034	-.0024	-.0018	-.0015
3.82	-.0040	-.0031	-.0021	-.0015	-.0012
3.84	-.0037	-.0028	-.0017	-.0012	-.0009
3.86	-.0034	-.0025	-.0014	-.0009	-.0006
3.88	-.0031	-.0021	-.0011	-.0006	-.0004
3.90	-.0028	-.0018	-.0008	-.0003	-.0001
3.92	-.0025	-.0014	-.0005	-.0001	.0001
3.94	-.0021	-.0011	-.0002	.0002	.0004
3.96	-.0017	-.0007	.0001	.0004	.0006
3.98	-.0014	-.0004	.0004	.0007	.0008
4.00	-.0010	-.0001	.0007	.0009	.0010
4.02	-.0007	.0002	.0009	.0011	.0011
4.04	-.0003	.0005	.0011	.0012	.0013
4.06	-.0000	.0008	.0013	.0014	.0014
4.08	.0003	.0010	.0015	.0015	.0015
4.10	.0006	.0013	.0016	.0016	.0016
4.12	.0009	.0015	.0017	.0017	.0016
4.14	.0011	.0016	.0018	.0017	.0017
4.16	.0013	.0018	.0019	.0018	.0017
4.18	.0015	.0019	.0019	.0018	.0017
4.20	.0017	.0020	.0019	.0018	.0016
4.22	.0018	.0020	.0019	.0017	.0016
4.24	.0019	.0021	.0019	.0017	.0015
4.26	.0020	.0021	.0019	.0016	.0015
4.28	.0021	.0021	.0018	.0015	.0014
4.30	.0021	.0020	.0017	.0014	.0013
4.32	.0021	.0020	.0016	.0013	.0012
4.34	.0021	.0019	.0015	.0012	.0011
4.36	.0020	.0018	.0014	.0011	.0009
4.38	.0020	.0017	.0012	.0010	.0008
4.40	.0019	.0016	.0011	.0008	.0007
4.42	.0018	.0014	.0009	.0007	.0006
4.44	.0017	.0013	.0008	.0005	.0004
4.46	.0015	.0011	.0006	.0004	.0003
4.48	.0014	.0009	.0005	.0003	.0002

$$R_6(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	-.0010	.0001	.0011	.0018	.0019
4.52	-.0007	.0003	.0012	.0018	.0018
4.54	-.0005	.0005	.0014	.0018	.0017
4.56	-.0002	.0007	.0015	.0018	.0015
4.58	.0000	.0009	.0016	.0018	.0014
4.60	.0002	.0010	.0016	.0017	.0013
4.62	.0005	.0012	.0017	.0017	.0011
4.64	.0007	.0013	.0017	.0016	.0010
4.66	.0008	.0014	.0017	.0015	.0008
4.68	.0010	.0015	.0017	.0014	.0006
4.70	.0012	.0015	.0016	.0013	.0005
4.72	.0013	.0016	.0016	.0011	.0003
4.74	.0014	.0016	.0015	.0010	.0001
4.76	.0015	.0016	.0014	.0009	-.0006
4.78	.0015	.0016	.0013	.0007	-.0002
4.80	.0016	.0015	.0012	.0006	-.0003
4.82	.0016	.0015	.0011	.0004	-.0004
4.84	.0016	.0014	.0010	.0003	-.0005
4.86	.0016	.0014	.0009	.0001	-.0007
4.88	.0016	.0013	.0007	-.0000	-.0007
4.90	.0015	.0012	.0006	-.0002	-.0008
4.92	.0015	.0010	.0005	-.0003	-.0009
4.94	.0014	.0009	.0003	-.0004	-.0010
4.96	.0013	.0008	.0002	-.0005	-.0010
4.98	.0012	.0007	.0001	-.0006	-.0010
5.00	.0011	.0006	-.0001	-.0007	-.0011

$$R_8(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	.0012	.0008	.0003	.0001	.0000
4.52	.0011	.0006	.0002	-.0000	-.0001
4.54	.0009	.0004	.0000	-.0001	-.0002
4.56	.0007	.0003	-.0001	-.0002	-.0003
4.58	.0006	.0001	-.0002	-.0004	-.0004
4.60	.0004	-.0000	-.0003	-.0005	-.0005
4.62	.0002	-.0002	-.0005	-.0005	-.0005
4.64	.0001	-.0003	-.0006	-.0006	-.0006
4.66	-.0001	-.0004	-.0007	-.0007	-.0007
4.68	-.0002	-.0006	-.0007	-.0008	-.0007
4.70	-.0004	-.0007	-.0008	-.0008	-.0008
4.72	-.0005	-.0008	-.0009	-.0008	-.0008
4.74	-.0006	-.0008	-.0009	-.0009	-.0008
4.76	-.0007	-.0009	-.0009	-.0009	-.0008
4.78	-.0008	-.0010	-.0010	-.0009	-.0008
4.80	-.0009	-.0010	-.0010	-.0009	-.0008
4.82	-.0010	-.0010	-.0010	-.0009	-.0008
4.84	-.0010	-.0011	-.0009	-.0008	-.0007
4.86	-.0011	-.0011	-.0009	-.0008	-.0007
4.88	-.0011	-.0011	-.0009	-.0008	-.0007
4.90	-.0011	-.0010	-.0009	-.0007	-.0006
4.92	-.0011	-.0010	-.0008	-.0007	-.0006
4.94	-.0011	-.0010	-.0007	-.0006	-.0005
4.96	-.0011	-.0009	-.0007	-.0006	-.0005
4.98	-.0010	-.0009	-.0006	-.0005	-.0004
5.00	-.0010	-.0008	-.0006	-.0004	-.0003

$$R_7(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.985245	.898303	.797497	.679020	.536885
.04	.961302	.837022	.699759	.548844	.384873
.06	.928740	.770580	.602316	.426728	.250675
.08	.888233	.699974	.506223	.313314	.133775
.10	.840545	.626226	.412481	.209121	.033543
.12	.786517	.550358	.322017	.114547	-.050752
.14	.727049	.473386	.235681	.029865	-.119933
.16	.663085	.396299	.154232	-.044777	-.174905
.18	.595597	.320049	.078335	-.109348	-.216640
.20	.525570	.245535	.008553	-.163934	-.246169
.22	.453988	.173597	-.054658	-.208732	-.264563
.24	.381813	.105002	-.110946	-.244038	-.272925
.26	.309981	.040438	-.160047	-.270246	-.272378
.28	.239383	-.019495	-.201883	-.287832	-.264046
.30	.170854	-.074286	-.236360	-.297349	-.249048
.32	.105145	-.123519	-.263562	-.299413	-.228484
.34	.043013	-.166876	-.283445	-.294493	-.203421
.36	-.014983	-.204134	-.296853	-.283900	-.174890
.38	-.068294	-.235166	-.303510	-.267775	-.143868
.40	-.116478	-.259938	-.304009	-.247077	-.111277
.42	-.159187	-.278507	-.298806	-.222575	-.077973
.44	-.196166	-.291011	-.288407	-.195032	-.044740
.46	-.227252	-.297669	-.273364	-.165202	-.012287
.48	-.252375	-.298767	-.254259	-.133812	.018758
.50	-.271550	-.294659	-.231695	-.101561	.047847
.52	-.284879	-.285752	-.206290	-.069108	.074517
.54	-.292538	-.272500	-.178645	-.037066	.098388
.56	-.294777	-.255393	-.149432	-.005997	.119144
.58	-.291910	-.234951	-.119192	.023595	.136628
.60	-.284308	-.211713	-.088521	.051264	.150640
.62	-.272389	-.186227	-.057965	.076630	.161136
.64	-.256612	-.159045	-.028034	.099375	.168119
.66	-.237467	-.130711	.000802	.119247	.171657
.68	-.215465	-.101754	.028123	.136059	.171876
.70	-.191133	-.072682	.053555	.149689	.168954
.72	-.165000	-.043976	.076779	.160075	.163113
.74	-.137593	-.016083	.097531	.167214	.154615
.76	-.109429	.010590	.115603	.171157	.143751
.78	-.081005	.035678	.130840	.172008	.130839
.80	-.052796	.058859	.143144	.169916	.116212
.82	-.025243	.079865	.152470	.165068	.100215
.84	.001244	.098473	.158823	.157691	.083195
.86	.026299	.114511	.162257	.148039	.065501
.88	.049596	.127860	.162868	.136389	.047470
.90	.070858	.138448	.160795	.123038	.029430
.92	.089853	.146252	.156211	.108293	.011688
.94	.106397	.151294	.149322	.092469	-.005470
.96	.120359	.153638	.140357	.075880	-.021780
.98	.131652	.153390	.129570	.058839	-.037010
1.00	.140237	.150688	.117228	.041645	-.050958
1.02	.146121	.145704	.103610	.024589	-.063451
1.04	.149352	.138638	.088999	.007941	-.074353
1.06	.150019	.129710	.073682	-.008049	-.083558
1.08	.148247	.119159	.057941	-.023153	-.090998
1.10	.144190	.107238	.042048	-.037172	-.096632
1.12	.138033	.094206	.026267	-.049932	-.100456
1.14	.129984	.080330	.010844	-.061290	-.102493
1.16	.120249	.065873	-.003994	-.071133	-.102795
1.18	.109130	.051094	-.018038	-.079377	-.101440
1.20	.096816	.036245	-.031106	-.085968	-.098528
1.22	.083585	.021546	-.043039	-.090883	-.094180
1.24	.069693	.007280	-.053703	-.094125	-.088535
1.26	.055394	-.006405	-.062994	-.095725	-.081746
1.28	.040941	-.019305	-.070833	-.095737	-.073974
1.30	.026565	-.031254	-.077168	-.094241	-.065393
1.32	.012491	-.042112	-.081975	-.091333	-.056177
1.34	-.001072	-.051762	-.085254	-.087128	-.046503
1.36	-.013936	-.060114	-.087030	-.081758	-.036548
1.38	-.025934	-.067101	-.087350	-.075364	-.026482
1.40	-.036920	-.072682	-.086282	-.068098	-.016471
1.42	-.046771	-.076840	-.083912	-.060118	-.006671
1.44	-.055391	-.079581	-.080343	-.051583	.002774
1.46	-.062706	-.080935	-.075490	-.042656	.011731
1.48	-.068666	-.080949	-.070082	-.033498	.020083

$$R_7(x, r)$$

x \ r	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.398249	.328051	.254384	.214561	.188854
.04	.246409	.185893	.130310	.103867	.088169
.06	.119785	.070689	.032651	.018025	.010789
.08	.016330	-.020303	-.041774	-.046179	-.046420
.10	-.065994	-.089723	-.095954	-.091734	-.086358
.12	-.129200	-.140098	-.132683	-.121402	-.111686
.14	-.175266	-.173839	-.154559	-.137727	-.124842
.16	-.206126	-.193229	-.163989	-.143035	-.128041
.18	-.223654	-.200423	-.163184	-.139445	-.123287
.20	-.229659	-.197439	-.154168	-.128871	-.112378
.22	-.225873	-.186156	-.138777	-.113029	-.096913
.24	-.213940	-.168308	-.118662	-.093442	-.078304
.26	-.195411	-.145487	-.095298	-.071452	-.057782
.28	-.171738	-.119136	-.069985	-.048225	-.036408
.30	-.144266	-.090554	-.043854	-.024761	-.015081
.32	-.114228	-.060896	-.017880	-.001901	.005450
.34	-.082745	-.031172	.007119	.019661	.024577
.36	-.050821	-.002256	.030467	.039370	.041823
.38	-.019343	.025116	.051625	.056797	.056829
.40	.010918	.050335	.070182	.071634	.069347
.42	.039306	.072916	.085840	.083676	.079226
.44	.065279	.092492	.098411	.092816	.086401
.46	.088403	.108804	.107805	.099035	.090888
.48	.108348	.121695	.114015	.102384	.092765
.50	.124883	.131099	.117113	.102983	.092170
.52	.137872	.137035	.117236	.101005	.089288
.54	.147263	.139596	.114578	.096668	.084339
.56	.153082	.138939	.109378	.090225	.077574
.58	.155427	.135278	.101911	.081956	.069265
.60	.154459	.128872	.092480	.072159	.059696
.62	.150391	.120019	.081409	.061144	.049157
.64	.143485	.109044	.069030	.049221	.037937
.66	.134036	.096292	.055680	.036699	.026320
.68	.122373	.082118	.041691	.023877	.014576
.70	.108840	.066884	.027386	.011041	.002961
.72	.093799	.050948	.013074	-.001544	-.008289
.74	.077614	.034657	-.000956	-.013632	-.018960
.76	.060651	.018346	-.014441	-.025007	-.028846
.78	.043265	.002327	-.027143	-.035476	-.037845
.80	.025799	-.013111	-.038853	-.044878	-.045765
.82	.008578	-.027706	-.049394	-.053082	-.052520
.84	-.008097	-.041228	-.058622	-.059986	-.058037
.86	-.023953	-.053479	-.066427	-.065521	-.062265
.88	-.038744	-.064298	-.072728	-.069645	-.065186
.90	-.052259	-.073554	-.077479	-.072348	-.066804
.92	-.064320	-.081156	-.080665	-.073644	-.067148
.94	-.074786	-.087045	-.082300	-.073572	-.066270
.96	-.083547	-.091195	-.082425	-.072196	-.064239
.98	-.090534	-.093614	-.081106	-.069600	-.061146
1.00	-.095709	-.094340	-.078430	-.065883	-.057091
1.02	-.099066	-.093436	-.074507	-.061162	-.052190
1.04	-.100634	-.090992	-.069460	-.055564	-.046566
1.06	-.100469	-.087120	-.063426	-.049226	-.040351
1.08	-.098653	-.081952	-.056555	-.042290	-.033478
1.10	-.095292	-.075632	-.049001	-.034902	-.026684
1.12	-.090515	-.068320	-.040923	-.027210	-.019502
1.14	-.084464	-.060182	-.032481	-.019358	-.012265
1.16	-.077299	-.051393	-.023834	-.011484	-.005097
1.18	-.069190	-.042127	-.015137	-.003729	.001882
1.20	-.060312	-.032560	-.006537	.003789	.008562
1.22	-.050846	-.022863	.001827	.010952	.014846
1.24	-.040973	-.013201	.009826	.017656	.020644
1.26	-.030874	-.003732	.017345	.023810	.025881
1.28	-.020721	.005400	.024282	.029336	.030496
1.30	-.010682	.014061	.030547	.034170	.034438
1.32	-.000912	.022132	.036069	.038265	.037673
1.34	.008442	.029508	.040791	.041585	.040178
1.36	.017251	.036103	.044672	.044110	.041944
1.38	.025399	.041846	.047686	.045835	.042975
1.40	.032786	.046684	.049823	.046767	.043286
1.42	.039330	.050580	.051089	.046925	.042904
1.44	.044967	.053516	.051501	.046342	.041865
1.46	.049648	.055488	.051092	.045059	.040215
1.48	.053344	.056509	.049906	.043129	.038008

$$R_7(x, r)$$

$\begin{matrix} r \\ x \end{matrix}$	1.0	1.1	1.25	1.5	2.0
1.50	-.073246	-.079692	-.063655	-.024262	.027727
1.52	-.0764	-.0772	-.0566	-.0151	.0346
1.54	-.0783	-.0737	-.0489	-.0062	.0406
1.56	-.0788	-.0692	-.0409	.0025	.0456
1.58	-.0780	-.0638	-.0326	.0106	.0497
1.60	-.0761	-.0577	-.0243	.0182	.0529
1.62	-.0731	-.0510	-.0159	.0251	.0551
1.64	-.0690	-.0439	-.0078	.0313	.0563
1.66	-.0641	-.0364	.0001	.0367	.0566
1.68	-.0585	-.0287	.0076	.0413	.0560
1.70	-.0522	-.0209	.0145	.0449	.0545
1.72	-.0454	-.0133	.0209	.0478	.0523
1.74	-.0382	-.0058	.0267	.0497	.0494
1.76	-.0308	.0015	.0318	.0507	.0459
1.78	-.0233	.0083	.0361	.0510	.0418
1.80	-.0158	.0146	.0396	.0504	.0373
1.82	-.0084	.0205	.0423	.0490	.0324
1.84	-.0013	.0256	.0443	.0470	.0273
1.86	.0055	.0302	.0454	.0443	.0220
1.88	.0119	.0340	.0458	.0411	.0166
1.90	.0177	.0371	.0454	.0374	.0112
1.92	.0230	.0395	.0444	.0333	.0060
1.94	.0276	.0411	.0427	.0289	.0008
1.96	.0316	.0420	.0404	.0243	-.0040
1.98	.0349	.0422	.0377	.0195	-.0086
2.00	.0375	.0418	.0344	.0147	-.0128
2.02	.0394	.0407	.0309	.0099	-.0165
2.04	.0405	.0390	.0270	.0051	-.0199
2.06	.0410	.0368	.0228	.0006	-.0227
2.08	.0408	.0342	.0186	-.0038	-.0251
2.10	.0400	.0311	.0142	-.0079	-.0270
2.12	.0386	.0277	.0099	-.0116	-.0283
2.14	.0366	.0241	.0056	-.0150	-.0292
2.16	.0342	.0203	.0015	-.0179	-.0295
2.18	.0314	.0163	-.0025	-.0205	-.0294
2.20	.0282	.0123	-.0062	-.0226	-.0288
2.22	.0248	.0083	-.0096	-.0242	-.0278
2.24	.0211	.0044	-.0127	-.0254	-.0265
2.26	.0173	.0006	-.0155	-.0261	-.0247
2.28	.0134	-.0030	-.0179	-.0264	-.0227
2.30	.0095	-.0064	-.0198	-.0262	-.0205
2.32	.0057	-.0095	-.0214	-.0257	-.0180
2.34	.0020	-.0123	-.0225	-.0248	-.0154
2.36	-.0016	-.0148	-.0233	-.0235	-.0127
2.38	-.0050	-.0169	-.0236	-.0220	-.0099
2.40	-.0081	-.0186	-.0236	-.0201	-.0071
2.42	-.0109	-.0200	-.0231	-.0181	-.0044
2.44	-.0135	-.0210	-.0224	-.0159	-.0017
2.46	-.0156	-.0216	-.0213	-.0135	.0009
2.48	-.0175	-.0218	-.0200	-.0111	.0033
2.50	-.0189	-.0217	-.0184	-.0086	.0056
2.52	-.0200	-.0212	-.0166	-.0061	.0076
2.54	-.0207	-.0205	-.0147	-.0036	.0094
2.56	-.0211	-.0194	-.0126	-.0012	.0110
2.58	-.0211	-.0181	-.0104	.0011	.0123
2.60	-.0208	-.0166	-.0082	.0032	.0134
2.62	-.0202	-.0149	-.0059	.0052	.0142
2.64	-.0193	-.0131	-.0037	.0070	.0147
2.66	-.0181	-.0111	-.0015	.0086	.0150
2.68	-.0167	-.0091	.0006	.0100	.0151
2.70	-.0151	-.0070	.0025	.0112	.0148
2.72	-.0134	-.0050	.0043	.0121	.0144
2.74	-.0115	-.0029	.0060	.0128	.0138
2.76	-.0096	-.0010	.0075	.0133	.0130
2.78	-.0076	.0009	.0088	.0135	.0120
2.80	-.0056	.0027	.0099	.0135	.0109
2.82	-.0036	.0044	.0108	.0133	.0097
2.84	-.0017	.0059	.0114	.0129	.0083
2.86	.0002	.0072	.0119	.0123	.0070
2.88	.0020	.0084	.0121	.0116	.0056
2.90	.0036	.0093	.0122	.0107	.0041
2.92	.0052	.0101	.0120	.0097	.0027
2.94	.0065	.0107	.0117	.0085	.0013
2.96	.0077	.0110	.0112	.0074	-.0000
2.98	.0087	.0112	.0106	.0061	-.0013

$$R_7(x, r)$$

x \ r	3.0	4.0	6.0	8.0	10.0
1.50	.056044	.056607	.047994	.040611	.035303
1.52	.0577	.0558	.0454	.0376	.0322
1.54	.0585	.0542	.0423	.0341	.0287
1.56	.0583	.0518	.0386	.0302	.0249
1.58	.0572	.0487	.0345	.0260	.0209
1.60	.0552	.0451	.0300	.0217	.0167
1.62	.0525	.0409	.0253	.0171	.0125
1.64	.0492	.0362	.0204	.0126	.0082
1.66	.0452	.0312	.0154	.0080	.0041
1.68	.0407	.0260	.0104	.0035	.0000
1.70	.0358	.0206	.0055	-.0008	-.0039
1.72	.0306	.0151	.0007	-.0049	-.0075
1.74	.0251	.0097	-.0039	-.0088	-.0108
1.76	.0196	.0044	-.0082	-.0124	-.0139
1.78	.0140	-.0007	-.0121	-.0155	-.0166
1.80	.0084	-.0056	-.0157	-.0184	-.0189
1.82	.0030	-.0102	-.0189	-.0207	-.0208
1.84	-.0022	-.0144	-.0217	-.0227	-.0223
1.86	-.0071	-.0181	-.0240	-.0242	-.0234
1.88	-.0116	-.0214	-.0258	-.0253	-.0240
1.90	-.0158	-.0242	-.0271	-.0260	-.0243
1.92	-.0195	-.0265	-.0280	-.0262	-.0242
1.94	-.0227	-.0283	-.0283	-.0260	-.0238
1.96	-.0254	-.0296	-.0283	-.0254	-.0230
1.98	-.0276	-.0303	-.0278	-.0245	-.0219
2.00	-.0293	-.0306	-.0269	-.0232	-.0205
2.02	-.0304	-.0304	-.0256	-.0217	-.0188
2.04	-.0310	-.0297	-.0240	-.0199	-.0170
2.06	-.0311	-.0286	-.0222	-.0178	-.0150
2.08	-.0307	-.0271	-.0200	-.0157	-.0129
2.10	-.0299	-.0252	-.0177	-.0133	-.0106
2.12	-.0286	-.0231	-.0152	-.0109	-.0083
2.14	-.0270	-.0207	-.0127	-.0085	-.0061
2.16	-.0250	-.0182	-.0100	-.0060	-.0038
2.18	-.0227	-.0154	-.0073	-.0036	-.0016
2.20	-.0203	-.0126	-.0047	-.0012	.0006
2.22	-.0176	-.0098	-.0021	.0011	.0026
2.24	-.0148	-.0069	.0004	.0032	.0044
2.26	-.0119	-.0040	.0028	.0052	.0062
2.28	-.0090	-.0013	.0049	.0070	.0077
2.30	-.0060	.0013	.0070	.0086	.0090
2.32	-.0032	.0038	.0087	.0100	.0101
2.34	-.0004	.0061	.0103	.0111	.0111
2.36	.0022	.0082	.0117	.0120	.0117
2.38	.0047	.0100	.0127	.0127	.0122
2.40	.0069	.0116	.0136	.0132	.0125
2.42	.0090	.0130	.0141	.0135	.0126
2.44	.0108	.0140	.0145	.0135	.0124
2.46	.0123	.0148	.0146	.0133	.0121
2.48	.0136	.0153	.0144	.0129	.0116
2.50	.0146	.0156	.0141	.0123	.0110
2.52	.0153	.0156	.0135	.0116	.0102
2.54	.0157	.0154	.0128	.0107	.0093
2.56	.0159	.0149	.0119	.0097	.0083
2.58	.0158	.0142	.0108	.0087	.0072
2.60	.0154	.0133	.0097	.0075	.0061
2.62	.0149	.0123	.0085	.0063	.0049
2.64	.0141	.0112	.0071	.0050	.0038
2.66	.0132	.0099	.0058	.0037	.0026
2.68	.0121	.0085	.0044	.0025	.0014
2.70	.0109	.0071	.0031	.0012	.0003
2.72	.0095	.0056	.0017	.0001	-.0008
2.74	.0081	.0041	.0004	-.0011	-.0018
2.76	.0066	.0027	-.0008	-.0021	-.0027
2.78	.0052	.0012	-.0020	-.0031	-.0035
2.80	.0037	-.0001	-.0031	-.0040	-.0042
2.82	.0022	-.0014	-.0040	-.0047	-.0049
2.84	.0007	-.0027	-.0049	-.0054	-.0054
2.86	-.0006	-.0038	-.0056	-.0059	-.0058
2.88	-.0019	-.0048	-.0062	-.0063	-.0061
2.90	-.0031	-.0056	-.0067	-.0066	-.0063
2.92	-.0042	-.0064	-.0071	-.0068	-.0063
2.94	-.0052	-.0070	-.0073	-.0068	-.0063
2.96	-.0060	-.0074	-.0074	-.0068	-.0062
2.98	-.0067	-.0078	-.0074	-.0066	-.0060

$$R_7(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
3.00	.0095	.0112	.0098	.0048	-.0025
3.02	.0101	.0110	.0089	.0036	-.0036
3.04	.0106	.0107	.0079	.0023	-.0046
3.06	.0108	.0102	.0069	.0010	-.0054
3.08	.0109	.0096	.0058	-.0002	-.0061
3.10	.0108	.0089	.0046	-.0013	-.0067
3.12	.0105	.0080	.0035	-.0024	-.0072
3.14	.0101	.0071	.0023	-.0033	-.0075
3.16	.0096	.0061	.0012	-.0042	-.0077
3.18	.0089	.0051	.0001	-.0049	-.0078
3.20	.0081	.0040	-.0009	-.0056	-.0077
3.22	.0072	.0030	-.0019	-.0061	-.0075
3.24	.0063	.0019	-.0028	-.0065	-.0072
3.26	.0053	.0009	-.0036	-.0068	-.0069
3.28	.0043	-.0001	-.0043	-.0069	-.0064
3.30	.0033	-.0011	-.0049	-.0070	-.0058
3.32	.0022	-.0020	-.0054	-.0069	-.0052
3.34	.0012	-.0028	-.0058	-.0067	-.0046
3.36	.0002	-.0035	-.0060	-.0065	-.0039
3.38	-.0007	-.0041	-.0062	-.0061	-.0031
3.40	-.0016	-.0046	-.0062	-.0057	-.0024
3.42	-.0024	-.0051	-.0062	-.0052	-.0017
3.44	-.0031	-.0054	-.0061	-.0046	-.0009
3.46	-.0038	-.0056	-.0058	-.0040	-.0002
3.48	-.0043	-.0057	-.0055	-.0034	.0004
3.50	-.0048	-.0058	-.0052	-.0027	.0011
3.52	-.0051	-.0057	-.0047	-.0021	.0016
3.54	-.0054	-.0056	-.0042	-.0014	.0022
3.56	-.0055	-.0053	-.0037	-.0008	.0026
3.58	-.0056	-.0050	-.0031	-.0001	.0030
3.60	-.0056	-.0047	-.0026	.0005	.0033
3.62	-.0055	-.0043	-.0020	.0010	.0036
3.64	-.0053	-.0038	-.0014	.0015	.0038
3.66	-.0050	-.0033	-.0008	.0020	.0039
3.68	-.0047	-.0028	-.0002	.0024	.0040
3.70	-.0043	-.0022	.0003	.0028	.0040
3.72	-.0039	-.0017	.0008	.0030	.0039
3.74	-.0034	-.0011	.0013	.0033	.0037
3.76	-.0029	-.0006	.0017	.0034	.0036
3.78	-.0024	-.0001	.0021	.0035	.0033
3.80	-.0018	.0004	.0024	.0036	.0031
3.82	-.0013	.0009	.0027	.0036	.0028
3.84	-.0008	.0013	.0029	.0035	.0024
3.86	-.0003	.0017	.0031	.0034	.0021
3.88	.0002	.0020	.0032	.0032	.0017
3.90	.0007	.0023	.0032	.0030	.0013
3.92	.0011	.0025	.0032	.0027	.0009
3.94	.0015	.0027	.0032	.0025	.0006
3.96	.0018	.0029	.0031	.0022	.0002
3.98	.0021	.0030	.0029	.0018	-.0001
4.00	.0024	.0030	.0027	.0015	-.0005
4.02	.0026	.0030	.0025	.0012	-.0008
4.04	.0027	.0029	.0023	.0008	-.0011
4.06	.0028	.0028	.0020	.0005	-.0013
4.08	.0029	.0027	.0017	.0002	-.0015
4.10	.0029	.0025	.0014	-.0002	-.0017
4.12	.0028	.0023	.0011	-.0004	-.0019
4.14	.0028	.0021	.0008	-.0007	-.0020
4.16	.0026	.0018	.0005	-.0010	-.0020
4.18	.0025	.0015	.0002	-.0012	-.0021
4.20	.0023	.0013	-.0001	-.0014	-.0021
4.22	.0021	.0010	-.0003	-.0015	-.0021
4.24	.0018	.0007	-.0006	-.0017	-.0020
4.26	.0016	.0004	-.0008	-.0018	-.0019
4.28	.0013	.0001	-.0010	-.0018	-.0018
4.30	.0010	-.0001	-.0012	-.0019	-.0017
4.32	.0008	-.0004	-.0013	-.0019	-.0015
4.34	.0005	-.0006	-.0015	-.0018	-.0013
4.36	.0002	-.0008	-.0015	-.0018	-.0012
4.38	-.0000	-.0010	-.0016	-.0017	-.0010
4.40	-.0003	-.0011	-.0016	-.0016	-.0008
4.42	-.0005	-.0013	-.0016	-.0015	-.0006
4.44	-.0007	-.0014	-.0016	-.0013	-.0004
4.46	-.0009	-.0014	-.0016	-.0012	-.0002
4.48	-.0010	-.0015	-.0015	-.0010	-.0000

$$R_7(x, r)$$

x \ r	3.0	4.0	6.0	8.0	10.0
3.00	-.0073	-.0079	-.0072	-.0064	-.0057
3.02	-.0077	-.0080	-.0070	-.0060	-.0053
3.04	-.0080	-.0079	-.0066	-.0056	-.0049
3.06	-.0081	-.0077	-.0062	-.0051	-.0044
3.08	-.0081	-.0074	-.0057	-.0046	-.0039
3.10	-.0080	-.0070	-.0052	-.0040	-.0033
3.12	-.0078	-.0065	-.0045	-.0034	-.0027
3.14	-.0074	-.0059	-.0039	-.0028	-.0021
3.16	-.0070	-.0053	-.0032	-.0021	-.0015
3.18	-.0064	-.0046	-.0025	-.0015	-.0009
3.20	-.0058	-.0039	-.0018	-.0008	-.0003
3.22	-.0052	-.0031	-.0011	-.0002	.0002
3.24	-.0044	-.0024	-.0004	.0004	.0007
3.26	-.0037	-.0016	.0002	.0009	.0012
3.28	-.0029	-.0009	.0008	.0014	.0017
3.30	-.0022	-.0002	.0014	.0019	.0021
3.32	-.0014	.0005	.0019	.0023	.0024
3.34	-.0006	.0011	.0024	.0027	.0027
3.36	.0001	.0017	.0028	.0029	.0029
3.38	.0008	.0023	.0031	.0032	.0031
3.40	.0014	.0027	.0034	.0033	.0032
3.42	.0020	.0031	.0036	.0035	.0033
3.44	.0025	.0035	.0037	.0035	.0033
3.46	.0029	.0037	.0038	.0035	.0032
3.48	.0033	.0039	.0038	.0034	.0031
3.50	.0036	.0040	.0037	.0033	.0030
3.52	.0039	.0041	.0036	.0032	.0028
3.54	.0040	.0041	.0035	.0030	.0026
3.56	.0041	.0040	.0033	.0027	.0023
3.58	.0042	.0038	.0030	.0025	.0021
3.60	.0041	.0037	.0027	.0022	.0018
3.62	.0040	.0034	.0024	.0019	.0015
3.64	.0038	.0031	.0021	.0015	.0012
3.66	.0036	.0028	.0017	.0012	.0009
3.68	.0034	.0025	.0014	.0009	.0006
3.70	.0031	.0021	.0010	.0005	.0003
3.72	.0027	.0017	.0007	.0002	-.0000
3.74	.0024	.0013	.0003	-.0001	-.0003
3.76	.0020	.0009	-.0000	-.0004	-.0005
3.78	.0016	.0006	-.0003	-.0007	-.0008
3.80	.0012	.0002	-.0006	-.0009	-.0010
3.82	.0008	-.0002	-.0009	-.0011	-.0012
3.84	.0004	-.0005	-.0012	-.0013	-.0013
3.86	.0000	-.0008	-.0014	-.0015	-.0015
3.88	-.0003	-.0011	-.0016	-.0016	-.0016
3.90	-.0006	-.0014	-.0017	-.0017	-.0016
3.92	-.0010	-.0016	-.0018	-.0018	-.0017
3.94	-.0012	-.0018	-.0019	-.0018	-.0017
3.96	-.0015	-.0019	-.0019	-.0018	-.0017
3.98	-.0017	-.0020	-.0020	-.0018	-.0016
4.00	-.0019	-.0021	-.0019	-.0017	-.0016
4.02	-.0020	-.0021	-.0019	-.0017	-.0015
4.04	-.0021	-.0021	-.0018	-.0016	-.0014
4.06	-.0022	-.0021	-.0017	-.0014	-.0012
4.08	-.0022	-.0020	-.0016	-.0013	-.0011
4.10	-.0022	-.0019	-.0015	-.0012	-.0010
4.12	-.0021	-.0018	-.0013	-.0010	-.0008
4.14	-.0020	-.0017	-.0011	-.0008	-.0007
4.16	-.0019	-.0015	-.0010	-.0007	-.0005
4.18	-.0018	-.0013	-.0008	-.0005	-.0003
4.20	-.0017	-.0012	-.0006	-.0003	-.0002
4.22	-.0015	-.0010	-.0004	-.0002	-.0000
4.24	-.0013	-.0008	-.0002	.0000	.0001
4.26	-.0011	-.0006	-.0001	.0002	.0003
4.28	-.0009	-.0004	.0001	.0003	.0004
4.30	-.0007	-.0002	.0003	.0004	.0005
4.32	-.0005	.0000	.0004	.0005	.0006
4.34	-.0003	.0002	.0005	.0007	.0007
4.36	-.0001	.0004	.0007	.0007	.0007
4.38	.0001	.0005	.0008	.0008	.0008
4.40	.0002	.0006	.0008	.0009	.0008
4.42	.0004	.0008	.0009	.0009	.0009
4.44	.0006	.0009	.0010	.0009	.0009
4.46	.0007	.0009	.0010	.0009	.0009
4.48	.0008	.0010	.0010	.0009	.0009

$$R_7(x, r)$$

$\begin{matrix} x & r \end{matrix}$	1.0	1.1	1.25	1.5	2.0
4.50	-.0012	-.0015	-.0014	-.0008	.0002
4.52	-.0013	-.0015	-.0013	-.0007	.0003
4.54	-.0014	-.0015	-.0012	-.0005	.0005
4.56	-.0014	-.0015	-.0011	-.0003	.0006
4.58	-.0015	-.0014	-.0009	-.0001	.0007
4.60	-.0015	-.0013	-.0008	.0000	.0008
4.62	-.0015	-.0012	-.0006	.0002	.0009
4.64	-.0014	-.0011	-.0005	.0003	.0010
4.66	-.0014	-.0010	-.0003	.0004	.0010
4.68	-.0013	-.0008	-.0001	.0006	.0010
4.70	-.0012	-.0007	.0000	.0007	.0010
4.72	-.0011	-.0005	.0001	.0008	.0010
4.74	-.0010	-.0004	.0003	.0008	.0010
4.76	-.0009	-.0003	.0004	.0009	.0010
4.78	-.0007	-.0001	.0005	.0009	.0009
4.80	-.0006	.0000	.0006	.0009	.0008
4.82	-.0004	.0002	.0007	.0009	.0008
4.84	-.0003	.0003	.0008	.0009	.0007
4.86	-.0002	.0004	.0008	.0009	.0006
4.88	-.0000	.0005	.0008	.0009	.0005
4.90	.0001	.0006	.0009	.0008	.0004
4.92	.0002	.0006	.0009	.0008	.0003
4.94	.0003	.0007	.0009	.0007	.0002
4.96	.0004	.0007	.0008	.0006	.0001
4.98	.0005	.0008	.0008	.0005	.0000
5.00	.0006	.0008	.0008	.0005	-.0001

$$R_7(x, r)$$

$x \backslash r$	3.0	4.0	5.0	6.0	8.0	10.0
4.50	.0009	.0011	.0010	.0009	.0008	.0008
4.52	.0010	.0011	.0010	.0009	.0008	.0008
4.54	.0010	.0011	.0009	.0008	.0007	.0007
4.56	.0011	.0011	.0009	.0008	.0007	.0007
4.58	.0011	.0010	.0008	.0007	.0006	.0006
4.60	.0011	.0010	.0008	.0006	.0005	.0005
4.62	.0011	.0009	.0007	.0006	.0005	.0005
4.64	.0010	.0009	.0006	.0005	.0004	.0004
4.66	.0010	.0008	.0005	.0004	.0003	.0003
4.68	.0009	.0007	.0004	.0003	.0002	.0002
4.70	.0008	.0006	.0003	.0002	.0001	.0001
4.72	.0008	.0005	.0002	.0001	.0001	.0001
4.74	.0007	.0004	.0001	.0000	-.0000	-.0000
4.76	.0006	.0003	.0000	-.0000	-.0001	-.0001
4.78	.0005	.0002	-.0000	-.0001	-.0002	-.0002
4.80	.0004	.0001	-.0001	-.0002	-.0002	-.0002
4.82	.0003	.0000	-.0002	-.0003	-.0003	-.0003
4.84	.0002	-.0001	-.0003	-.0003	-.0003	-.0003
4.86	.0001	-.0002	-.0003	-.0004	-.0004	-.0004
4.88	-.0000	-.0002	-.0004	-.0004	-.0004	-.0004
4.90	-.0001	-.0003	-.0004	-.0004	-.0004	-.0004
4.92	-.0002	-.0004	-.0005	-.0005	-.0005	-.0005
4.94	-.0003	-.0004	-.0005	-.0005	-.0005	-.0005
4.96	-.0004	-.0005	-.0005	-.0005	-.0005	-.0005
4.98	-.0004	-.0005	-.0005	-.0005	-.0005	-.0005
5.00	-.0005	-.0005	-.0005	-.0005	-.0005	-.0005

$R_8(x, r)$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707167
.02	.983769	.884475	.771310	.641380	.490723
.04	.955525	.808051	.649073	.480048	.305510
.06	.916090	.725680	.529370	.333337	.149851
.08	.866471	.638904	.413746	.201853	.021954
.10	.807827	.549285	.303613	.085961	-.080122
.12	.741444	.458371	.200231	-.014201	-.158435
.14	.668703	.367673	.104691	-.098726	-.215135
.16	.591051	.278631	.017902	-.167919	-.252433
.18	.509966	.192593	-.059418	-.222284	-.272572
.20	.426932	.110795	-.126745	-.262510	-.277800
.22	.343405	.034336	-.183751	-.289448	-.270337
.24	.260789	-.035831	-.230300	-.304090	-.252353
.26	.180411	-.098912	-.266440	-.307545	-.225941
.28	.103495	-.154281	-.292397	-.301017	-.193095
.30	.031147	-.201485	-.308558	-.285776	-.155688
.32	-.035663	-.240240	-.315459	-.263139	-.115457
.34	-.096113	-.270432	-.313763	-.234437	-.073984
.36	-.149538	-.292112	-.304248	-.200999	-.032691
.38	-.195437	-.305483	-.287779	-.164125	.007176
.40	-.233472	-.310890	-.265292	-.125068	.044546
.42	-.263470	-.308807	-.237771	-.085013	.078530
.44	-.285414	-.299820	-.206228	-.045060	.108418
.46	-.299441	-.284612	-.171681	-.006213	.133674
.48	-.305827	-.263941	-.135134	.030635	.153933
.50	-.304976	-.238626	-.097562	.064708	.168992
.52	-.297407	-.209522	-.059890	.095357	.178796
.54	-.283737	-.177508	-.022980	.122060	.183428
.56	-.264663	-.143463	.012381	.144424	.183095
.58	-.240946	-.108252	.045493	.162185	.178111
.60	-.213391	-.072710	.075752	.175203	.168882
.62	-.182829	-.037624	.102653	.183453	.155890
.64	-.150101	-.003722	.125798	.187025	.139673
.66	-.116040	.028335	.144895	.186104	.120811
.68	-.081452	.057967	.159757	.180959	.099912
.70	-.047109	.084680	.170300	.171973	.077588
.72	-.013725	.108072	.176549	.159536	.054450
.74	.018044	.127832	.178582	.144129	.031089
.76	.047617	.143747	.176618	.126259	.008065
.78	.074494	.155695	.170913	.106461	-.014103
.80	.098260	.163546	.161797	.085279	-.034947
.82	.118589	.167655	.149456	.063257	-.054057
.84	.135247	.167850	.134917	.040925	-.071084
.86	.148089	.164463	.118038	.018792	-.085748
.88	.157059	.157741	.099499	-.002668	-.097837
.90	.162186	.148018	.079736	-.023022	-.107211
.92	.163576	.135667	.059584	-.041824	-.113795
.94	.161405	.121052	.038767	-.058921	-.117583
.96	.155927	.104723	.018385	-.073861	-.119550
.98	.147432	.087005	-.001940	-.084480	-.119449
1.00	.136267	.068384	-.020024	-.096659	-.113007
1.02	.122816	.049303	-.037325	-.104257	-.105712
1.04	.107487	.030189	-.052950	-.109276	-.098413
1.06	.090706	.011445	-.066657	-.111753	-.088890
1.08	.072905	-.006553	-.078256	-.111706	-.076944
1.10	.054515	-.023467	-.087615	-.109324	-.064393
1.12	.035953	-.038999	-.094653	-.104757	-.051061
1.14	.017620	-.052898	-.099345	-.098219	-.037272
1.16	-.000112	-.064959	-.101715	-.089936	-.023345
1.18	-.016904	-.075027	-.101834	-.080104	-.009582
1.20	-.032454	-.082997	-.099816	-.069239	.003732
1.22	-.046502	-.088815	-.095821	-.057394	.016335
1.24	-.058835	-.092471	-.090030	-.044944	.027996
1.26	-.069286	-.094006	-.082661	-.032179	.038513
1.28	-.077737	-.093499	-.073450	-.019386	.047727
1.30	-.084419	-.091069	-.064149	-.006832	.055502
1.32	-.089408	-.086868	-.053520	.005233	.061749
1.34	-.0930625	-.081079	-.042327	.016579	.066411
1.36	-.095836	-.073995	-.030834	.027009	.069871
1.38	-.098142	-.065570	-.019295	.036351	.070945
1.40	-.085680	-.056308	-.007955	.044467	.070880
1.42	-.080616	-.046361	.002963	.051251	.069354
1.44	-.074140	-.035972	.013253	.056629	.066474
1.46	-.066462	-.025381	.022735	.060564	.062367
1.48	-.057806	-.014819	.031252	.063046	.057179

$$R_B(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.350616	.282849	.214438	.178711	.156131
.04	.169283	.114907	.069508	.050163	.039621
.06	.028343	.010413	.0034135	.0039759	.0040785
.08	-.077023	-.099242	-.103983	-.097930	-.091749
.10	-.151423	-.157258	-.144448	-.130475	-.119167
.12	-.199233	-.189687	-.162892	-.142809	-.128212
.14	-.224580	-.201298	-.163657	-.139680	-.123388
.16	-.231323	-.196415	-.151091	-.125210	-.108571
.18	-.223046	-.178919	-.128983	-.102939	-.087059
.20	-.203039	-.152260	-.100596	-.075863	-.061620
.22	-.174299	-.119469	-.068694	-.046480	-.034532
.24	-.139519	-.083172	-.035585	-.016826	-.007633
.26	-.101090	-.045607	-.003146	.011478	.017641
.28	-.061101	-.008643	.027134	.037188	.040211
.30	-.021348	.026199	.054123	.059398	.059314
.32	.016665	.057722	.077009	.077502	.074464
.34	.051709	.085028	.095266	.091152	.085416
.36	.082821	.107497	.108617	.100226	.092127
.38	.109285	.124752	.117006	.104793	.094723
.40	.130618	.136641	.120555	.105077	.093469
.42	.146548	.143202	.119544	.101427	.088738
.44	.156997	.144639	.114372	.094292	.080980
.46	.162053	.141295	.105534	.084185	.070702
.48	.161956	.133625	.093592	.071669	.058444
.50	.157066	.122170	.079150	.057328	.044755
.52	.147851	.107532	.062835	.041748	.030181
.54	.134853	.090355	.045273	.025502	.015245
.56	.118678	.071299	.027075	.009134	.000436
.58	.099966	.051025	.008822	-.006853	-.013799
.60	.079377	.030177	-.008952	-.022008	-.027069
.62	.057572	.009363	-.025766	-.035936	-.039037
.64	.035195	-.010850	-.041200	-.048309	-.049431
.66	.012860	-.029953	-.054903	-.058863	-.058042
.68	-.008861	-.047502	-.066595	-.067404	-.064725
.70	-.029448	-.063120	-.076068	-.073805	-.069397
.72	-.048446	-.076507	-.083185	-.078005	-.072035
.74	-.065466	-.087436	-.087882	-.080004	-.072673
.76	-.080191	-.095758	-.090159	-.079860	-.071392
.78	-.092380	-.101396	-.090078	-.077684	-.068322
.80	-.101867	-.104346	-.087758	-.073630	-.063628
.82	-.108561	-.104667	-.083365	-.067891	-.057508
.84	-.112440	-.102481	-.077108	-.060692	-.050184
.86	-.113553	-.097962	-.069229	-.052280	-.041896
.88	-.112009	-.091330	-.059997	-.042919	-.032894
.90	-.107973	-.082841	-.049697	-.032881	-.023430
.92	-.101659	-.072785	-.038626	-.022438	-.013757
.94	-.093321	-.061468	-.027081	-.011860	-.004115
.96	-.083247	-.049213	-.015356	-.001404	.005265
.98	-.071746	-.036344	-.003733	.008690	.014175
1.00	-.059147	-.023185	.007523	.018202	.022426
1.02	-.045783	-.010046	.018170	.026938	.029854
1.04	-.031989	.002776	.027992	.034731	.036326
1.06	-.018091	.015008	.036804	.041446	.041734
1.08	-.004400	.026404	.044451	.046977	.046002
1.10	.008792	.036751	.050814	.051252	.049085
1.12	.021221	.045867	.055810	.054232	.050964
1.14	.032651	.053610	.059390	.055908	.051652
1.16	.042882	.059874	.061537	.056301	.051185
1.18	.051749	.064589	.062270	.055458	.049625
1.20	.059126	.067726	.061636	.053455	.047056
1.22	.064925	.069291	.059712	.050368	.043579
1.24	.069097	.069321	.056598	.046370	.039309
1.26	.071630	.067889	.052416	.041532	.034377
1.28	.072548	.065093	.047304	.036016	.028917
1.30	.071968	.061057	.041414	.029971	.023073
1.32	.069800	.055924	.034909	.023551	.016987
1.34	.066337	.049855	.027956	.016911	.010800
1.36	.061659	.043023	.020724	.010202	.004649
1.38	.055921	.035609	.013378	.003570	-.001335
1.40	.049296	.027795	.006079	-.002847	-.007034
1.42	.041965	.019765	-.001020	-.008925	-.012341
1.44	.034116	.011698	-.007781	-.014549	-.017160
1.46	.025938	.003765	-.014075	-.019624	-.021412
1.48	.017618	-.003876	-.019794	-.024067	-.025036

$$R_8(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	-.048404	-.004503	.038680	.064101	.051074
1.52	-.0385	.0054	.0449	.0638	.0442
1.54	-.0283	.0146	.0499	.0622	.0368
1.56	-.0181	.0230	.0536	.0593	.0290
1.58	-.0080	.0305	.0560	.0555	.0211
1.60	.0016	.0370	.0571	.0506	.0130
1.62	.0108	.0424	.0570	.0450	.0052
1.64	.0192	.0466	.0557	.0388	-.0024
1.66	.0268	.0497	.0533	.0320	-.0096
1.68	.0335	.0515	.0500	.0250	-.0161
1.70	.0391	.0522	.0458	.0178	-.0220
1.72	.0436	.0518	.0408	.0107	-.0272
1.74	.0469	.0503	.0353	.0037	-.0315
1.76	.0491	.0479	.0294	-.0030	-.0350
1.78	.0502	.0446	.0232	-.0093	-.0375
1.80	.0502	.0405	.0168	-.0151	-.0392
1.82	.0491	.0359	.0104	-.0202	-.0399
1.84	.0471	.0307	.0042	-.0247	-.0398
1.86	.0442	.0252	-.0018	-.0284	-.0389
1.88	.0405	.0195	-.0075	-.0314	-.0373
1.90	.0362	.0136	-.0127	-.0335	-.0350
1.92	.0314	.0078	-.0173	-.0348	-.0320
1.94	.0262	.0022	-.0214	-.0354	-.0286
1.96	.0207	-.0032	-.0248	-.0351	-.0248
1.98	.0151	-.0083	-.0275	-.0342	-.0206
2.00	.0095	-.0129	-.0295	-.0326	-.0163
2.02	.0039	-.0170	-.0307	-.0304	-.0118
2.04	-.0014	-.0205	-.0313	-.0277	-.0073
2.06	-.0064	-.0234	-.0312	-.0246	-.0030
2.08	-.0110	-.0257	-.0304	-.0211	.0012
2.10	-.0151	-.0273	-.0291	-.0174	.0052
2.12	-.0187	-.0283	-.0272	-.0135	.0088
2.14	-.0218	-.0286	-.0249	-.0096	.0121
2.16	-.0242	-.0283	-.0221	-.0056	.0150
2.18	-.0260	-.0275	-.0191	-.0018	.0173
2.20	-.0271	-.0261	-.0158	.0019	.0192
2.22	-.0277	-.0243	-.0124	.0054	.0207
2.24	-.0276	-.0220	-.0089	.0085	.0216
2.26	-.0270	-.0194	-.0053	.0114	.0220
2.28	-.0258	-.0166	-.0019	.0138	.0219
2.30	-.0242	-.0135	.0014	.0158	.0214
2.32	-.0222	-.0104	.0045	.0174	.0205
2.34	-.0198	-.0071	.0073	.0186	.0192
2.36	-.0171	-.0040	.0099	.0193	.0176
2.38	-.0142	-.0009	.0121	.0196	.0157
2.40	-.0112	.0021	.0139	.0194	.0136
2.42	-.0081	.0049	.0153	.0189	.0113
2.44	-.0050	.0074	.0164	.0180	.0090
2.46	-.0020	.0096	.0171	.0168	.0065
2.48	.0009	.0115	.0174	.0153	.0041
2.50	.0036	.0131	.0173	.0136	.0017
2.52	.0061	.0143	.0168	.0117	-.0006
2.54	.0084	.0152	.0161	.0096	-.0028
2.56	.0104	.0157	.0150	.0075	-.0048
2.58	.0120	.0158	.0137	.0053	-.0066
2.60	.0133	.0156	.0122	.0032	-.0081
2.62	.0143	.0152	.0106	.0011	-.0094
2.64	.0149	.0144	.0088	-.0009	-.0104
2.66	.0151	.0134	.0069	-.0028	-.0112
2.68	.0151	.0121	.0049	-.0046	-.0117
2.70	.0147	.0107	.0030	-.0061	-.0119
2.72	.0141	.0091	.0011	-.0074	-.0119
2.74	.0131	.0074	-.0006	-.0085	-.0116
2.76	.0120	.0057	-.0023	-.0094	-.0111
2.78	.0107	.0039	-.0039	-.0100	-.0103
2.80	.0092	.0022	-.0053	-.0103	-.0094
2.82	.0076	.0005	-.0064	-.0105	-.0084
2.84	.0060	-.0011	-.0074	-.0104	-.0072
2.86	.0043	-.0026	-.0082	-.0101	-.0060
2.88	.0026	-.0040	-.0088	-.0096	-.0047
2.90	.0009	-.0052	-.0091	-.0089	-.0034
2.92	-.0007	-.0062	-.0093	-.0081	-.0020
2.94	-.0021	-.0071	-.0092	-.0071	-.0007
2.96	-.0035	-.0077	-.0090	-.0061	.0005
2.98	-.0047	-.0082	-.0085	-.0050	.0017

$$R_8(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	.009335	-.011078	-.024845	-.027816	-.027983
1.52	.0013	-.0177	-.0291	-.0308	-.0302
1.54	-.0064	-.0236	-.0327	-.0331	-.0317
1.56	-.0136	-.0288	-.0353	-.0345	-.0325
1.58	-.0202	-.0332	-.0372	-.0352	-.0326
1.60	-.0260	-.0366	-.0381	-.0351	-.0321
1.62	-.0310	-.0392	-.0383	-.0344	-.0309
1.64	-.0351	-.0408	-.0377	-.0329	-.0291
1.66	-.0383	-.0415	-.0363	-.0309	-.0268
1.68	-.0406	-.0413	-.0343	-.0283	-.0241
1.70	-.0419	-.0403	-.0317	-.0253	-.0211
1.72	-.0423	-.0386	-.0285	-.0219	-.0177
1.74	-.0418	-.0361	-.0250	-.0183	-.0142
1.76	-.0405	-.0330	-.0211	-.0144	-.0105
1.78	-.0384	-.0294	-.0170	-.0105	-.0068
1.80	-.0357	-.0254	-.0127	-.0065	-.0032
1.82	-.0323	-.0211	-.0084	-.0026	.0003
1.84	-.0285	-.0166	-.0041	.0011	.0037
1.86	-.0243	-.0120	-.0000	.0047	.0068
1.88	-.0198	-.0073	.0039	.0079	.0096
1.90	-.0152	-.0028	.0075	.0109	.0120
1.92	-.0105	.0016	.0108	.0134	.0141
1.94	-.0058	.0057	.0137	.0156	.0158
1.96	-.0012	.0095	.0162	.0173	.0171
1.98	.0031	.0129	.0182	.0186	.0180
2.00	.0072	.0158	.0198	.0195	.0185
2.02	.0109	.0183	.0208	.0199	.0186
2.04	.0142	.0202	.0214	.0199	.0183
2.06	.0170	.0217	.0215	.0195	.0176
2.08	.0193	.0226	.0212	.0187	.0166
2.10	.0211	.0230	.0204	.0175	.0153
2.12	.0224	.0230	.0193	.0161	.0138
2.14	.0231	.0224	.0179	.0144	.0121
2.16	.0234	.0215	.0161	.0125	.0102
2.18	.0231	.0201	.0141	.0105	.0083
2.20	.0224	.0184	.0120	.0083	.0062
2.22	.0212	.0164	.0097	.0061	.0041
2.24	.0197	.0142	.0073	.0039	.0021
2.26	.0179	.0118	.0049	.0017	.0001
2.28	.0158	.0093	.0025	-.0004	-.0018
2.30	.0135	.0068	.0002	-.0023	-.0035
2.32	.0110	.0042	-.0019	-.0042	-.0051
2.34	.0084	.0017	-.0040	-.0058	-.0065
2.36	.0058	-.0007	-.0058	-.0073	-.0076
2.38	.0033	-.0030	-.0074	-.0085	-.0086
2.40	.0008	-.0051	-.0088	-.0094	-.0093
2.42	-.0018	-.0070	-.0099	-.0102	-.0099
2.44	-.0039	-.0086	-.0108	-.0107	-.0101
2.46	-.0059	-.0100	-.0114	-.0109	-.0102
2.48	-.0077	-.0110	-.0117	-.0109	-.0100
2.50	-.0092	-.0118	-.0118	-.0107	-.0097
2.52	-.0105	-.0124	-.0116	-.0103	-.0092
2.54	-.0115	-.0126	-.0112	-.0097	-.0085
2.56	-.0122	-.0126	-.0106	-.0089	-.0077
2.58	-.0126	-.0123	-.0098	-.0080	-.0067
2.60	-.0127	-.0117	-.0089	-.0070	-.0057
2.62	-.0126	-.0110	-.0078	-.0058	-.0046
2.64	-.0122	-.0101	-.0066	-.0047	-.0035
2.66	-.0116	-.0090	-.0054	-.0035	-.0024
2.68	-.0107	-.0078	-.0041	-.0023	-.0013
2.70	-.0097	-.0065	-.0028	-.0011	-.0002
2.72	-.0086	-.0051	-.0015	.0001	.0008
2.74	-.0073	-.0037	-.0002	.0011	.0018
2.76	-.0060	-.0023	.0009	.0021	.0026
2.78	-.0046	-.0009	.0020	.0030	.0034
2.80	-.0031	.0004	.0030	.0038	.0040
2.82	-.0017	.0016	.0039	.0045	.0046
2.84	-.0004	.0027	.0047	.0050	.0050
2.86	.0009	.0037	.0053	.0054	.0052
2.88	.0022	.0046	.0057	.0057	.0054
2.90	.0033	.0054	.0061	.0058	.0054
2.92	.0042	.0059	.0062	.0058	.0053
2.94	.0051	.0064	.0063	.0057	.0051
2.96	.0057	.0067	.0062	.0054	.0048
2.98	.0063	.0068	.0060	.0051	.0045

$$R_8(x, r)$$

$x \backslash r$	1.0	1.1	1.25	1.5	2.0
3.00	-.0058	-.0085	-.0080	-.0038	.0028
3.02	-.0067	-.0085	-.0072	-.0026	.0038
3.04	-.0074	-.0084	-.0064	-.0014	.0046
3.06	-.0079	-.0081	-.0055	-.0003	.0053
3.08	-.0082	-.0077	-.0045	.0008	.0058
3.10	-.0083	-.0071	-.0034	.0019	.0063
3.12	-.0083	-.0064	-.0024	.0028	.0065
3.14	-.0081	-.0056	-.0013	.0036	.0066
3.16	-.0077	-.0048	-.0003	.0043	.0066
3.18	-.0072	-.0039	.0007	.0049	.0064
3.20	-.0066	-.0029	.0016	.0054	.0061
3.22	-.0058	-.0019	.0024	.0057	.0057
3.24	-.0050	-.0010	.0032	.0059	.0052
3.26	-.0042	-.0001	.0038	.0060	.0047
3.28	-.0033	.0008	.0043	.0059	.0040
3.30	-.0023	.0016	.0048	.0057	.0033
3.32	-.0014	.0024	.0051	.0054	.0026
3.34	-.0005	.0030	.0053	.0051	.0019
3.36	.0004	.0036	.0053	.0046	.0012
3.38	.0012	.0040	.0053	.0041	.0004
3.40	.0019	.0044	.0051	.0035	-.0002
3.42	.0026	.0046	.0049	.0029	-.0009
3.44	.0032	.0048	.0046	.0023	-.0015
3.46	.0036	.0048	.0042	.0016	-.0020
3.48	.0040	.0047	.0037	.0010	-.0024
3.50	.0043	.0046	.0032	.0003	-.0028
3.52	.0045	.0043	.0026	-.0003	-.0031
3.54	.0045	.0040	.0021	-.0008	-.0033
3.56	.0045	.0036	.0015	-.0013	-.0035
3.58	.0044	.0032	.0009	-.0018	-.0035
3.60	.0042	.0027	.0004	-.0022	-.0035
3.62	.0039	.0022	-.0002	-.0025	-.0034
3.64	.0035	.0017	-.0007	-.0027	-.0032
3.66	.0031	.0012	-.0011	-.0029	-.0030
3.68	.0027	.0006	-.0015	-.0030	-.0027
3.70	.0022	.0001	-.0019	-.0030	-.0024
3.72	.0017	-.0004	-.0022	-.0030	-.0021
3.74	.0012	-.0008	-.0024	-.0029	-.0017
3.76	.0007	-.0012	-.0025	-.0027	-.0013
3.78	.0002	-.0016	-.0026	-.0025	-.0009
3.80	-.0003	-.0019	-.0027	-.0023	-.0005
3.82	-.0007	-.0021	-.0027	-.0020	-.0001
3.84	-.0011	-.0023	-.0026	-.0017	.0003
3.86	-.0015	-.0024	-.0024	-.0013	.0006
3.88	-.0018	-.0025	-.0022	-.0010	.0009
3.90	-.0021	-.0025	-.0020	-.0006	.0012
3.92	-.0023	-.0025	-.0018	-.0003	.0015
3.94	-.0024	-.0024	-.0015	.0001	.0017
3.96	-.0025	-.0022	-.0012	.0004	.0018
3.98	-.0025	-.0020	-.0009	.0007	.0019
4.00	-.0025	-.0018	-.0006	.0010	.0020
4.02	-.0024	-.0016	-.0002	.0012	.0020
4.04	-.0023	-.0013	.0001	.0014	.0020
4.06	-.0022	-.0011	.0004	.0016	.0020
4.08	-.0020	-.0008	.0006	.0017	.0019
4.10	-.0017	-.0005	.0009	.0018	.0017
4.12	-.0015	-.0002	.0011	.0019	.0016
4.14	-.0012	.0001	.0013	.0019	.0014
4.16	-.0009	.0003	.0014	.0019	.0012
4.18	-.0007	.0006	.0016	.0018	.0010
4.20	-.0004	.0008	.0016	.0017	.0008
4.22	-.0001	.0010	.0017	.0016	.0006
4.24	.0001	.0012	.0017	.0015	.0004
4.26	.0004	.0013	.0017	.0013	.0001
4.28	.0006	.0014	.0016	.0011	-.0001
4.30	.0008	.0015	.0016	.0009	-.0002
4.32	.0010	.0015	.0015	.0007	-.0004
4.34	.0011	.0015	.0013	.0005	-.0006
4.36	.0012	.0015	.0012	.0004	-.0007
4.38	.0013	.0014	.0010	.0002	-.0008
4.40	.0013	.0013	.0009	-.0000	-.0009
4.42	.0013	.0013	.0007	-.0002	-.0010
4.44	.0013	.0011	.0005	-.0003	-.0010
4.46	.0013	.0010	.0004	-.0005	-.0010
4.48	.0012	.0009	.0002	-.0006	-.0010

$$R_8(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.0066	.0067	.0056	.0047	.0040
3.02	.0069	.0066	.0052	.0042	.0035
3.04	.0069	.0063	.0047	.0036	.0029
3.06	.0068	.0059	.0041	.0030	.0023
3.08	.0066	.0054	.0034	.0024	.0017
3.10	.0062	.0048	.0027	.0017	.0011
3.12	.0058	.0041	.0020	.0010	.0005
3.14	.0052	.0034	.0013	.0004	-.0001
3.16	.0046	.0026	.0006	-.0002	-.0006
3.18	.0039	.0019	-.0001	-.0008	-.0011
3.20	.0032	.0011	-.0007	-.0013	-.0016
3.22	.0024	.0004	-.0013	-.0018	-.0020
3.24	.0016	-.0003	-.0018	-.0022	-.0023
3.26	.0009	-.0010	-.0023	-.0026	-.0026
3.28	.0001	-.0016	-.0027	-.0029	-.0028
3.30	-.0006	-.0022	-.0030	-.0031	-.0030
3.32	-.0013	-.0027	-.0033	-.0032	-.0031
3.34	-.0018	-.0030	-.0035	-.0033	-.0031
3.36	-.0024	-.0034	-.0035	-.0033	-.0030
3.38	-.0028	-.0036	-.0036	-.0032	-.0029
3.40	-.0032	-.0037	-.0035	-.0031	-.0027
3.42	-.0035	-.0038	-.0034	-.0029	-.0025
3.44	-.0037	-.0038	-.0032	-.0027	-.0023
3.46	-.0038	-.0037	-.0029	-.0024	-.0020
3.48	-.0038	-.0035	-.0026	-.0021	-.0017
3.50	-.0037	-.0033	-.0023	-.0017	-.0014
3.52	-.0035	-.0030	-.0020	-.0014	-.0010
3.54	-.0034	-.0027	-.0016	-.0010	-.0007
3.56	-.0032	-.0023	-.0012	-.0007	-.0004
3.58	-.0029	-.0019	-.0008	-.0003	-.0000
3.60	-.0025	-.0015	-.0004	.0000	.0003
3.62	-.0021	-.0011	-.0001	.0003	.0005
3.64	-.0017	-.0007	.0003	.0006	.0008
3.66	-.0015	-.0002	.0006	.0009	.0010
3.68	-.0009	.0001	.0009	.0011	.0012
3.70	-.0004	.0005	.0012	.0013	.0013
3.72	-.0000	.0008	.0014	.0015	.0015
3.74	.0003	.0011	.0016	.0016	.0015
3.76	.0007	.0014	.0017	.0017	.0016
3.78	.0010	.0016	.0018	.0017	.0016
3.80	.0013	.0018	.0018	.0017	.0015
3.82	.0016	.0019	.0018	.0016	.0015
3.84	.0018	.0020	.0018	.0016	.0014
3.86	.0019	.0020	.0017	.0015	.0013
3.88	.0020	.0020	.0016	.0013	.0011
3.90	.0021	.0019	.0015	.0012	.0010
3.92	.0021	.0016	.0013	.0010	.0008
3.94	.0020	.0017	.0011	.0008	.0006
3.96	.0020	.0015	.0009	.0006	.0004
3.98	.0019	.0014	.0007	.0004	.0003
4.00	.0017	.0012	.0005	.0002	.0001
4.02	.0015	.0009	.0003	.0000	-.0001
4.04	.0013	.0007	.0001	-.0002	-.0003
4.06	.0011	.0005	-.0001	-.0003	-.0004
4.08	.0009	.0003	-.0003	-.0005	-.0005
4.10	.0007	.0000	-.0005	-.0006	-.0007
4.12	.0004	-.0002	-.0006	-.0008	-.0008
4.14	.0002	-.0006	-.0009	-.0009	-.0008
4.16	-.0000	-.0008	-.0009	-.0009	-.0009
4.18	-.0002	-.0007	-.0010	-.0010	-.0009
4.20	-.0004	-.0009	-.0010	-.0010	-.0010
4.22	-.0006	-.0010	-.0011	-.0010	-.0010
4.24	-.0007	-.0011	-.0011	-.0010	-.0009
4.26	-.0009	-.0011	-.0011	-.0010	-.0009
4.28	-.0010	-.0012	-.0011	-.0010	-.0009
4.30	-.0011	-.0012	-.0011	-.0009	-.0008
4.32	-.0011	-.0012	-.0010	-.0008	-.0007
4.34	-.0011	-.0011	-.0009	-.0008	-.0006
4.36	-.0011	-.0011	-.0008	-.0007	-.0005
4.38	-.0011	-.0010	-.0007	-.0006	-.0004
4.40	-.0011	-.0009	-.0006	-.0005	-.0003
4.42	-.0010	-.0008	-.0005	-.0004	-.0002
4.44	-.0009	-.0007	-.0004	-.0002	-.0001
4.46	-.0008	-.0006	-.0003	-.0001	-.0000
4.48	-.0007	-.0005	-.0002	-.0000	.0000

$$R_B(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	.0011	.0007	.0000	-.0007	-.0010
4.52	.0010	.0005	-.0001	-.0007	-.0009
4.54	.0009	.0004	-.0003	-.0008	-.0008
4.56	.0008	.0002	-.0004	-.0008	-.0008
4.58	.0006	.0001	-.0005	-.0008	-.0007
4.60	.0005	-.0001	-.0006	-.0008	-.0006
4.62	.0003	-.0002	-.0006	-.0008	-.0004
4.64	.0002	-.0003	-.0007	-.0007	-.0003
4.66	.0000	-.0004	-.0007	-.0007	-.0002
4.68	-.0001	-.0005	-.0007	-.0006	-.0001
4.70	-.0003	-.0006	-.0007	-.0005	.0000
4.72	-.0004	-.0006	-.0007	-.0004	.0001
4.74	-.0005	-.0007	-.0006	-.0003	.0002
4.76	-.0006	-.0007	-.0006	-.0002	.0003
4.78	-.0006	-.0007	-.0005	-.0001	.0004
4.80	-.0007	-.0007	-.0004	.0000	.0005
4.82	-.0007	-.0006	-.0003	.0001	.0006
4.84	-.0008	-.0006	-.0002	.0002	.0006
4.86	-.0008	-.0005	-.0001	.0003	.0006
4.88	-.0008	-.0005	-.0000	.0004	.0007
4.90	-.0007	-.0004	.0000	.0005	.0007
4.92	-.0007	-.0003	.0001	.0005	.0007
4.94	-.0007	-.0002	.0002	.0006	.0006
4.96	-.0006	-.0002	.0003	.0006	.0006
4.98	-.0005	-.0001	.0004	.0007	.0006
5.00	-.0005	.0000	.0004	.0007	.0005

$$R_8(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	-.0006	-.0003	-.0001	.0001	.0001
4.52	-.0005	-.0002	.0001	.0001	.0002
4.54	-.0004	-.0001	.0001	.0002	.0003
4.56	-.0002	.0000	.0002	.0003	.0003
4.58	-.0001	.0001	.0003	.0003	.0004
4.60	.0000	.0002	.0004	.0004	.0004
4.62	.0001	.0003	.0004	.0004	.0004
4.64	.0002	.0004	.0005	.0004	.0004
4.66	.0003	.0005	.0005	.0004	.0004
4.68	.0004	.0005	.0005	.0004	.0004
4.70	.0005	.0005	.0005	.0004	.0004
4.72	.0005	.0006	.0005	.0004	.0004
4.74	.0006	.0006	.0005	.0004	.0003
4.76	.0006	.0006	.0004	.0003	.0003
4.78	.0006	.0005	.0004	.0003	.0002
4.80	.0006	.0005	.0003	.0002	.0002
4.82	.0006	.0005	.0003	.0002	.0001
4.84	.0006	.0004	.0002	.0001	.0001
4.86	.0005	.0004	.0002	.0001	.0000
4.88	.0005	.0003	.0001	.0000	-.0000
4.90	.0004	.0002	.0000	-.0001	-.0001
4.92	.0004	.0002	-.0000	-.0001	-.0001
4.94	.0003	.0001	-.0001	-.0002	-.0002
4.96	.0003	.0000	-.0001	-.0002	-.0002
4.98	.0002	-.0000	-.0002	-.0002	-.0003
5.00	.0001	-.0001	-.0002	-.0003	-.0003

$$R_9(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.982098	.868929	.742134	.599914	.440605
.04	.948998	.775800	.593686	.406655	.223558
.06	.901857	.676281	.451401	.237321	.051806
.08	.842123	.572635	.317367	.092093	-.078965
.10	.771491	.467124	.193406	-.029251	-.173163
.12	.691845	.361957	.081042	-.127320	-.235225
.14	.605210	.259237	-.018517	-.203073	-.269557
.16	.513693	.160914	-.104394	-.257790	-.280475
.18	.419424	.068745	-.176049	-.293025	-.272151
.20	.324509	-.015737	-.233269	-.310564	-.248561
.22	.230974	-.091253	-.276160	-.312375	-.213439
.24	.140719	-.156797	-.305131	-.300560	-.170238
.26	.055479	-.211644	-.320861	-.277300	-.122101
.28	-.023213	-.255355	-.324275	-.244810	-.071831
.30	-.094051	-.287774	-.316508	-.205287	-.021874
.32	-.155983	-.309017	-.298865	-.160870	.025690
.34	-.208219	-.319453	-.272779	-.113591	.069149
.36	-.250238	-.319683	-.239776	-.065346	.107158
.38	-.281793	-.310515	-.201428	-.017861	.138729
.40	-.302893	-.292929	-.159314	.027338	.163210
.42	-.313801	-.268045	-.114983	.068937	.180264
.44	-.315004	-.237088	-.069919	.105854	.189846
.46	-.307195	-.201351	-.025506	.137244	.192166
.48	-.291244	-.162161	.016994	.162497	.187660
.50	-.268164	-.120840	.056470	.181240	.176952
.52	-.239081	-.078676	.091974	.193323	.160817
.54	-.205197	-.036893	.122739	.198806	.140142
.56	-.167758	.003381	.148183	.197940	.115892
.58	-.128018	.041129	.167911	.191146	.089073
.60	-.087211	.075470	.181714	.178988	.060697
.62	-.046514	.105673	.189564	.162150	.031756
.64	-.007029	.131164	.191596	.141406	.003187
.66	.030248	.151529	.188102	.117592	-.024144
.68	.064442	.166523	.179506	.091580	-.049469
.70	.094814	.176057	.166347	.064249	-.072126
.72	.120774	.180196	.149258	.036460	-.091579
.74	.141886	.179147	.128940	.009038	-.107419
.76	.157870	.173244	.106142	-.017257	-.119368
.78	.168600	.162931	.081637	-.041740	-.127280
.80	.174099	.148744	.056196	-.063816	-.131138
.82	.174527	.131295	.030574	-.082996	-.131041
.84	.170172	.111243	.005484	-.098899	-.127197
.86	.161431	.089282	-.018415	-.111257	-.119913
.88	.148797	.066116	-.040537	-.119916	-.109575
.90	.132836	.042439	-.060375	-.124834	-.096633
.92	.114171	.018921	-.077515	-.126075	-.081589
.94	.093462	-.003812	-.091639	-.123801	-.064975
.96	.071384	-.025192	-.102530	-.118262	-.047337
.98	.048609	-.044718	-.110069	-.109782	-.029223
1.00	.025792	-.061969	-.114237	-.098751	-.011161
1.02	.003547	-.076606	-.115104	-.085604	.006350
1.04	-.017559	-.088384	-.112828	-.070811	.022852
1.06	-.037024	-.097144	-.107641	-.054863	.037941
1.08	-.054417	-.102819	-.099841	-.038252	.051275
1.10	-.069387	-.105429	-.089781	-.021464	.062576
1.12	-.081670	-.105073	-.077853	-.004962	.071638
1.14	-.091086	-.101925	-.064480	.010824	.078329
1.16	-.097543	-.096223	-.050098	.025506	.082587
1.18	-.101033	-.088261	-.035147	.038748	.084420
1.20	-.101628	-.078377	-.020059	.050270	.083902
1.22	-.099474	-.066941	-.005244	.059854	.081167
1.24	-.094779	-.054343	.008917	.067347	.076403
1.26	-.087811	-.040983	.022081	.072658	.069842
1.28	-.078882	-.027261	.033951	.075761	.061752
1.30	-.068338	-.013560	.044281	.076691	.052429
1.32	-.056550	-.000246	.052879	.075538	.042186
1.34	-.043901	.012349	.059611	.072445	.031345
1.36	-.030776	.023928	.064399	.067597	.020226
1.38	-.017550	.034240	.067221	.061216	.009140
1.40	-.004582	.043080	.068110	.053555	-.001619
1.42	.007798	.050294	.067145	.044885	-.011782
1.44	.019293	.055779	.064455	.035491	-.021110
1.46	.029646	.059485	.060205	.025660	-.029399
1.48	.038645	.061411	.054591	.015677	-.036484

$$R_9(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.299682	.234894	.172399	.141136	.121919
.04	.092449	.045553	.011318	-.000684	-.006039
.06	-.054867	-.081412	-.090114	-.087048	-.082356
.08	-.152005	-.157982	-.145038	-.130938	-.119544
.10	-.207913	-.194788	-.164761	-.143363	-.128124
.12	-.230736	-.201171	-.158904	-.133549	-.116833
.14	-.227816	-.185248	-.135543	-.109109	-.092810
.16	-.205692	-.153974	-.101349	-.076218	-.061778
.18	-.170117	-.113224	-.061723	-.039766	-.028210
.20	-.126074	-.067859	-.020928	-.003517	.004506
.22	-.077801	-.021810	.017780	.029751	.033924
.24	-.028826	.021842	.052035	.058106	.058396
.26	.017999	.060786	.080240	.080339	.076948
.28	.060449	.093399	.101453	.095844	.089158
.30	.096880	.118661	.115285	.104506	.095050
.32	.126181	.136075	.121800	.106601	.094996
.34	.147711	.145590	.121420	.102707	.089627
.36	.161247	.147520	.114842	.093620	.079754
.38	.166928	.142473	.102965	.080279	.066301
.40	.165190	.131284	.086813	.063706	.050246
.42	.156712	.114945	.067480	.044946	.032570
.44	.142363	.094552	.046075	.025024	.014215
.46	.123144	.071247	.023674	.004906	-.003946
.48	.100141	.046173	.001289	-.014531	-.021140
.50	.074476	.020434	-.020167	-.033525	-.036706
.52	.047270	-.004940	-.039900	-.048438	-.050113
.54	.019603	-.029023	-.057253	-.061773	-.060959
.56	-.007517	-.051009	-.071712	-.072172	-.068979
.58	-.033180	-.070234	-.082911	-.079416	-.074033
.60	-.056594	-.086179	-.090632	-.083421	-.076107
.62	-.077098	-.098478	-.094797	-.084226	-.075294
.64	-.094177	-.106915	-.095458	-.081982	-.071786
.66	-.107460	-.111419	-.092785	-.076936	-.065856
.68	-.116726	-.112053	-.087051	-.069415	-.057844
.70	-.121894	-.109004	-.078613	-.059810	-.048138
.72	-.123019	-.102566	-.067895	-.048554	-.037158
.74	-.120279	-.093122	-.055368	-.036110	-.025341
.76	-.113961	-.081128	-.041533	-.022950	-.013122
.78	-.104443	-.067092	-.026904	-.009539	-.000926
.80	-.092179	-.051554	-.011987	.003674	.010851
.82	-.077681	-.035070	.002732	.021850	.021850
.84	-.061495	-.018193	.016801	.027903	.031758
.86	-.044190	-.001454	.029815	.038229	.040312
.88	-.026332	.014649	.041423	.046998	.047309
.90	-.008474	.029663	.051339	.054012	.052604
.92	.008861	.043196	.059343	.059139	.056114
.94	.025197	.054919	.065283	.062311	.057814
.96	.040110	.064576	.069079	.063523	.057736
.98	.053242	.071984	.070719	.062829	.055962
1.00	.064305	.077035	.070254	.060338	.052623
1.02	.073085	.079695	.067797	.056203	.047888
1.04	.079444	.080003	.063509	.050622	.041960
1.06	.083322	.078061	.057600	.043822	.035065
1.08	.084730	.074030	.050314	.036055	.027447
1.10	.083748	.068124	.041921	.027587	.019357
1.12	.080521	.060596	.032712	.018692	.011048
1.14	.075247	.051735	.022983	.009642	.002767
1.16	.068170	.041850	.013031	.000699	-.005253
1.18	.059574	.031263	.003146	-.007891	-.012799
1.20	.049769	.020301	-.006400	-.015904	-.019680
1.22	.039081	.009282	-.015360	-.023143	-.025735
1.24	.027844	-.001488	-.023513	-.029443	-.030833
1.26	.016392	-.011727	-.030673	-.034675	-.034878
1.28	.005045	-.021182	-.036691	-.038744	-.037806
1.30	-.005896	-.029635	-.041455	-.041592	-.039589
1.32	-.016155	-.036904	-.044897	-.043200	-.040231
1.34	-.025491	-.042851	-.046984	-.043582	-.039769
1.36	-.033700	-.047382	-.047727	-.042785	-.038266
1.38	-.040616	-.050442	-.047168	-.040887	-.035812
1.40	-.046122	-.052023	-.045387	-.037991	-.032518
1.42	-.050139	-.052155	-.042489	-.034223	-.028513
1.44	-.052637	-.050907	-.038607	-.029727	-.023939
1.46	-.053627	-.048381	-.033892	-.024657	-.018945
1.48	-.053157	-.044707	-.028512	-.019177	-.013686

$$R_g(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	.046124	.061603	.047838	.005814	-.042240
1.52	.0520	.0602	.0402	-.0037	-.0466
1.54	.0561	.0572	.0319	-.0125	-.0495
1.56	.0585	.0529	.0232	-.0206	-.0509
1.58	.0593	.0474	.0144	-.0277	-.0509
1.60	.0584	.0410	.0057	-.0336	-.0496
1.62	.0560	.0339	-.0027	-.0384	-.0471
1.64	.0523	.0262	-.0105	-.0419	-.0434
1.66	.0474	.0183	-.0176	-.0441	-.0388
1.68	.0416	.0103	-.0239	-.0450	-.0335
1.70	.0349	.0025	-.0292	-.0447	-.0275
1.72	.0277	-.0049	-.0335	-.0432	-.0212
1.74	.0202	-.0118	-.0366	-.0407	-.0146
1.76	.0125	-.0180	-.0386	-.0372	-.0081
1.78	.0049	-.0234	-.0394	-.0329	-.0016
1.80	-.0023	-.0278	-.0392	-.0280	.0045
1.82	-.0091	-.0313	-.0379	-.0227	.0102
1.84	-.0153	-.0338	-.0357	-.0170	.0153
1.86	-.0208	-.0352	-.0327	-.0112	.0197
1.88	-.0254	-.0356	-.0290	-.0054	.0233
1.90	-.0290	-.0350	-.0247	.0002	.0262
1.92	-.0317	-.0336	-.0200	.0055	.0282
1.94	-.0334	-.0313	-.0150	.0103	.0293
1.96	-.0341	-.0283	-.0099	.0146	.0296
1.98	-.0339	-.0248	-.0049	.0183	.0291
2.00	-.0328	-.0208	.0000	.0213	.0279
2.02	-.0309	-.0164	.0047	.0236	.0260
2.04	-.0282	-.0119	.0090	.0251	.0236
2.06	-.0250	-.0073	.0128	.0259	.0206
2.08	-.0213	-.0027	.0160	.0260	.0173
2.10	-.0172	.0016	.0187	.0253	.0137
2.12	-.0129	.0057	.0207	.0241	.0099
2.14	-.0085	.0094	.0220	.0222	.0061
2.16	-.0041	.0127	.0227	.0199	.0023
2.18	.0002	.0154	.0228	.0172	-.0013
2.20	.0042	.0176	.0223	.0142	-.0047
2.22	.0079	.0192	.0212	.0110	-.0078
2.24	.0112	.0202	.0196	.0077	-.0105
2.26	.0140	.0206	.0176	.0043	-.0127
2.28	.0162	.0205	.0152	.0010	-.0145
2.30	.0180	.0198	.0125	-.0021	-.0159
2.32	.0191	.0186	.0097	-.0050	-.0167
2.34	.0197	.0171	.0068	-.0076	-.0170
2.36	.0198	.0151	.0039	-.0098	-.0169
2.38	.0193	.0129	.0010	-.0117	-.0164
2.40	.0183	.0104	-.0017	-.0131	-.0154
2.42	.0169	.0078	-.0043	-.0141	-.0141
2.44	.0151	.0052	-.0066	-.0147	-.0125
2.46	.0131	.0025	-.0085	-.0149	-.0106
2.48	.0108	-.0000	-.0102	-.0147	-.0086
2.50	.0083	-.0024	-.0115	-.0141	-.0065
2.52	.0058	-.0047	-.0124	-.0131	-.0043
2.54	.0033	-.0066	-.0129	-.0119	-.0021
2.56	.0008	-.0083	-.0130	-.0104	.0000
2.58	-.0016	-.0097	-.0128	-.0087	.0020
2.60	-.0038	-.0107	-.0123	-.0069	.0039
2.62	-.0058	-.0114	-.0115	-.0050	.0055
2.64	-.0075	-.0117	-.0104	-.0030	.0069
2.66	-.0089	-.0117	-.0091	-.0011	.0080
2.68	-.0100	-.0114	-.0076	.0007	.0089
2.70	-.0107	-.0108	-.0060	.0024	.0094
2.72	-.0112	-.0100	-.0043	.0039	.0097
2.74	-.0113	-.0089	-.0026	.0053	.0097
2.76	-.0111	-.0077	-.0010	.0065	.0095
2.78	-.0106	-.0063	.0006	.0074	.0090
2.80	-.0099	-.0048	.0021	.0080	.0083
2.82	-.0090	-.0033	.0035	.0085	.0074
2.84	-.0078	-.0018	.0047	.0086	.0064
2.86	-.0065	-.0003	.0057	.0086	.0053
2.88	-.0051	.0011	.0065	.0083	.0041
2.90	-.0037	.0024	.0071	.0078	.0028
2.92	-.0022	.0036	.0075	.0071	.0015
2.94	-.0008	.0046	.0076	.0063	.0003
2.96	.0006	.0055	.0076	.0054	-.0009
2.98	.0019	.0061	.0073	.0043	-.0019

$$R_9(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	-.051316	-.040042	-.022641	-.013453	-.008314
1.52	-.0482	-.0346	-.0165	-.0077	-.0030
1.54	-.0440	-.0285	-.0102	-.0019	-.0022
1.56	-.0389	-.0219	-.0039	.0035	.0070
1.58	-.0330	-.0151	.0021	.0087	.0114
1.60	-.0266	-.0083	.0078	.0133	.0153
1.62	-.0198	-.0016	.0130	.0174	.0187
1.64	-.0128	.0048	.0176	.0208	.0213
1.66	-.0059	.0107	.0215	.0235	.0233
1.68	.0008	.0161	.0246	.0254	.0246
1.70	.0072	.0207	.0270	.0266	.0251
1.72	.0130	.0246	.0285	.0271	.0250
1.74	.0181	.0276	.0292	.0268	.0243
1.76	.0226	.0297	.0291	.0258	.0229
1.78	.0261	.0310	.0282	.0242	.0210
1.80	.0289	.0314	.0267	.0221	.0187
1.82	.0307	.0309	.0245	.0195	.0160
1.84	.0316	.0296	.0218	.0165	.0131
1.86	.0316	.0277	.0187	.0132	.0099
1.88	.0308	.0251	.0153	.0098	.0067
1.90	.0292	.0220	.0116	.0063	.0034
1.92	.0270	.0185	.0079	.0029	.0003
1.94	.0241	.0147	.0041	-.0005	-.0027
1.96	.0208	.0107	.0005	-.0037	-.0055
1.98	.0172	.0067	-.0030	-.0066	-.0080
2.00	.0133	.0027	-.0062	-.0091	-.0101
2.02	.0092	-.0011	-.0091	-.0113	-.0119
2.04	.0051	-.0048	-.0116	-.0131	-.0132
2.06	.0011	-.0080	-.0137	-.0145	-.0142
2.08	-.0027	-.0110	-.0152	-.0154	-.0147
2.10	-.0062	-.0134	-.0163	-.0158	-.0148
2.12	-.0093	-.0154	-.0170	-.0158	-.0145
2.14	-.0121	-.0168	-.0171	-.0155	-.0139
2.16	-.0144	-.0178	-.0168	-.0147	-.0129
2.18	-.0161	-.0182	-.0161	-.0136	-.0117
2.20	-.0174	-.0181	-.0150	-.0122	-.0102
2.22	-.0181	-.0176	-.0135	-.0105	-.0085
2.24	-.0183	-.0166	-.0118	-.0087	-.0068
2.26	-.0181	-.0153	-.0099	-.0068	-.0049
2.28	-.0173	-.0136	-.0078	-.0047	-.0030
2.30	-.0162	-.0117	-.0057	-.0027	-.0011
2.32	-.0147	-.0095	-.0035	-.0007	.0006
2.34	-.0129	-.0073	-.0013	.0011	.0023
2.36	-.0108	-.0050	.0007	.0029	.0038
2.38	-.0086	-.0026	.0026	.0045	.0051
2.40	-.0063	-.0004	.0044	.0058	.0063
2.42	-.0039	.0018	.0059	.0070	.0071
2.44	-.0016	.0037	.0072	.0078	.0078
2.46	.0006	.0055	.0082	.0085	.0082
2.48	.0027	.0070	.0090	.0088	.0083
2.50	.0046	.0082	.0094	.0089	.0083
2.52	.0063	.0092	.0096	.0088	.0080
2.54	.0077	.0098	.0095	.0084	.0075
2.56	.0088	.0102	.0092	.0079	.0068
2.58	.0096	.0103	.0087	.0071	.0060
2.60	.0101	.0100	.0079	.0062	.0051
2.62	.0104	.0096	.0070	.0052	.0041
2.64	.0103	.0089	.0059	.0041	.0031
2.66	.0100	.0080	.0048	.0030	.0020
2.68	.0094	.0069	.0035	.0018	.0009
2.70	.0086	.0057	.0023	.0007	-.0001
2.72	.0076	.0044	.0010	-.0004	-.0011
2.74	.0065	.0031	-.0002	-.0014	-.0020
2.76	.0052	.0018	-.0013	-.0024	-.0028
2.78	.0039	.0005	-.0023	-.0032	-.0035
2.80	.0026	-.0008	-.0032	-.0039	-.0040
2.82	.0012	-.0019	-.0040	-.0044	-.0044
2.84	-.0001	-.0030	-.0047	-.0049	-.0047
2.86	-.0013	-.0039	-.0051	-.0051	-.0049
2.88	-.0024	-.0047	-.0055	-.0052	-.0049
2.90	-.0034	-.0053	-.0056	-.0052	-.0047
2.92	-.0043	-.0057	-.0056	-.0050	-.0045
2.94	-.0050	-.0060	-.0055	-.0047	-.0041
2.96	-.0055	-.0060	-.0052	-.0043	-.0037
2.98	-.0059	-.0060	-.0048	-.0039	-.0032

$$R_g(x, r)$$

x \ r	1.	1.1	1.25	1.5	2.0
3.00	.0031	.0066	.0069	.0033	-.0029
3.02	.0041	.0068	.0063	.0021	-.0038
3.04	.0050	.0069	.0056	.0010	-.0045
3.06	.0057	.0068	.0048	-.0000	-.0050
3.08	.0062	.0065	.0039	-.0010	-.0054
3.10	.0065	.0061	.0029	-.0019	-.0056
3.12	.0066	.0055	.0019	-.0028	-.0056
3.14	.0066	.0048	.0010	-.0035	-.0055
3.16	.0063	.0040	.0000	-.0040	-.0053
3.18	.0060	.0032	-.0008	-.0045	-.0049
3.20	.0054	.0023	-.0017	-.0047	-.0045
3.22	.0048	.0014	-.0024	-.0049	-.0039
3.24	.0041	.0006	-.0030	-.0049	-.0033
3.26	.0033	-.0003	-.0035	-.0048	-.0026
3.28	.0025	-.0010	-.0039	-.0045	-.0019
3.30	.0017	-.0017	-.0041	-.0042	-.0011
3.32	.0008	-.0023	-.0042	-.0037	-.0004
3.34	.0000	-.0029	-.0042	-.0032	.0003
3.36	-.0008	-.0033	-.0041	-.0026	.0009
3.38	-.0015	-.0036	-.0039	-.0020	.0015
3.40	-.0021	-.0038	-.0036	-.0014	.0020
3.42	-.0026	-.0038	-.0032	-.0007	.0024
3.44	-.0030	-.0038	-.0028	-.0001	.0028
3.46	-.0034	-.0037	-.0023	.0005	.0030
3.48	-.0036	-.0034	-.0017	.0010	.0032
3.50	-.0037	-.0031	-.0012	.0015	.0032
3.52	-.0037	-.0027	-.0006	.0019	.0032
3.54	-.0036	-.0023	-.0001	.0023	.0031
3.56	-.0034	-.0018	.0005	.0026	.0029
3.58	-.0031	-.0013	.0010	.0028	.0026
3.60	-.0028	-.0008	.0014	.0029	.0023
3.62	-.0024	-.0003	.0018	.0029	.0020
3.64	-.0019	.0002	.0021	.0028	.0016
3.66	-.0015	.0006	.0023	.0027	.0012
3.68	-.0010	.0010	.0025	.0025	.0008
3.70	-.0005	.0014	.0026	.0023	.0003
3.72	-.0000	.0017	.0026	.0020	-.0001
3.74	.0004	.0020	.0025	.0017	-.0004
3.76	.0008	.0022	.0024	.0013	-.0008
3.78	.0012	.0023	.0023	.0010	-.0011
3.80	.0015	.0024	.0021	.0006	-.0014
3.82	.0018	.0024	.0018	.0002	-.0016
3.84	.0020	.0023	.0015	-.0001	-.0017
3.86	.0021	.0022	.0012	-.0004	-.0018
3.88	.0022	.0020	.0009	-.0007	-.0019
3.90	.0022	.0018	.0006	-.0010	-.0019
3.92	.0022	.0016	.0003	-.0012	-.0018
3.94	.0021	.0013	-.0000	-.0014	-.0017
3.96	.0020	.0010	-.0003	-.0015	-.0016
3.98	.0018	.0007	-.0006	-.0016	-.0014
4.00	.0016	.0004	-.0008	-.0016	-.0012
4.02	.0013	.0002	-.0010	-.0016	-.0010
4.04	.0010	-.0001	-.0011	-.0015	-.0008
4.06	.0008	-.0004	-.0013	-.0014	-.0005
4.08	.0005	-.0006	-.0013	-.0013	-.0003
4.10	.0002	-.0008	-.0014	-.0011	-.0001
4.12	-.0000	-.0009	-.0013	-.0010	.0002
4.14	-.0003	-.0011	-.0013	-.0008	.0004
4.16	-.0005	-.0011	-.0012	-.0006	.0005
4.18	-.0007	-.0012	-.0011	-.0003	.0007
4.20	-.0009	-.0012	-.0010	-.0001	.0008
4.22	-.0010	-.0012	-.0008	.0001	.0009
4.24	-.0011	-.0011	-.0006	.0003	.0010
4.26	-.0012	-.0010	-.0004	.0004	.0010
4.28	-.0012	-.0009	-.0003	.0006	.0010
4.30	-.0012	-.0008	-.0001	.0007	.0010
4.32	-.0011	-.0006	.0001	.0008	.0010
4.34	-.0010	-.0005	.0003	.0009	.0009
4.36	-.0009	-.0003	.0004	.0010	.0008
4.38	-.0008	-.0001	.0006	.0010	.0007
4.40	-.0007	.0000	.0007	.0010	.0006
4.42	-.0005	.0002	.0008	.0010	.0005
4.44	-.0004	.0003	.0008	.0009	.0003
4.46	-.0002	.0005	.0009	.0008	.0002
4.48	-.0001	.0006	.0009	.0008	.0000

$$R_g(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	-.0061	-.0057	-.0043	-.0033	-.0027
3.02	-.0061	-.0054	-.0037	-.0027	-.0021
3.04	-.0059	-.0049	-.0031	-.0020	-.0014
3.06	-.0056	-.0043	-.0024	-.0014	-.0008
3.08	-.0052	-.0037	-.0017	-.0007	-.0002
3.10	-.0047	-.0029	-.0009	-.0001	.0004
3.12	-.0041	-.0022	-.0003	.0005	.0009
3.14	-.0034	-.0014	.0004	.0011	.0014
3.16	-.0026	-.0007	.0010	.0016	.0018
3.18	-.0018	.0001	.0016	.0020	.0021
3.20	-.0011	.0008	.0021	.0023	.0024
3.22	-.0003	.0014	.0024	.0026	.0026
3.24	.0004	.0019	.0027	.0028	.0027
3.26	.0011	.0024	.0030	.0029	.0027
3.28	.0017	.0028	.0031	.0029	.0026
3.30	.0022	.0030	.0031	.0028	.0025
3.32	.0026	.0032	.0030	.0027	.0023
3.34	.0030	.0033	.0029	.0024	.0021
3.36	.0032	.0033	.0027	.0022	.0018
3.38	.0033	.0032	.0024	.0019	.0015
3.40	.0034	.0030	.0021	.0015	.0012
3.42	.0033	.0027	.0017	.0012	.0008
3.44	.0032	.0024	.0013	.0008	.0005
3.46	.0029	.0021	.0009	.0004	.0001
3.48	.0027	.0017	.0005	.0000	-.0002
3.50	.0023	.0012	.0001	-.0003	-.0005
3.52	.0019	.0008	-.0003	-.0007	-.0008
3.54	.0015	.0003	-.0006	-.0010	-.0011
3.56	.0011	-.0001	-.0010	-.0012	-.0013
3.58	.0006	-.0005	-.0012	-.0014	-.0014
3.60	.0002	-.0009	-.0015	-.0016	-.0016
3.62	-.0003	-.0012	-.0017	-.0017	-.0016
3.64	-.0006	-.0015	-.0018	-.0018	-.0017
3.66	-.0010	-.0017	-.0019	-.0018	-.0016
3.68	-.0013	-.0019	-.0019	-.0018	-.0016
3.70	-.0016	-.0020	-.0019	-.0017	-.0015
3.72	-.0018	-.0021	-.0018	-.0016	-.0014
3.74	-.0019	-.0021	-.0017	-.0014	-.0012
3.76	-.0020	-.0020	-.0016	-.0013	-.0010
3.78	-.0021	-.0019	-.0014	-.0011	-.0009
3.80	-.0021	-.0018	-.0012	-.0009	-.0007
3.82	-.0020	-.0016	-.0010	-.0006	-.0004
3.84	-.0019	-.0014	-.0008	-.0004	-.0002
3.86	-.0017	-.0012	-.0005	-.0002	-.0000
3.88	-.0015	-.0010	-.0003	-.0000	.0001
3.90	-.0013	-.0007	-.0001	.0002	.0003
3.92	-.0011	-.0004	.0002	.0004	.0005
3.94	-.0008	-.0002	.0003	.0005	.0006
3.96	-.0006	.0000	.0005	.0007	.0007
3.98	-.0003	.0003	.0007	.0008	.0008
4.00	-.0001	.0005	.0008	.0008	.0008
4.02	.0002	.0006	.0009	.0009	.0008
4.04	.0004	.0008	.0009	.0009	.0008
4.06	.0006	.0009	.0010	.0009	.0008
4.08	.0007	.0010	.0010	.0009	.0008
4.10	.0009	.0010	.0009	.0008	.0007
4.12	.0010	.0010	.0009	.0007	.0006
4.14	.0010	.0010	.0008	.0006	.0005
4.16	.0011	.0010	.0007	.0005	.0004
4.18	.0011	.0009	.0006	.0004	.0003
4.20	.0010	.0008	.0005	.0003	.0002
4.22	.0010	.0007	.0003	.0002	.0001
4.24	.0009	.0006	.0002	.0000	-.0001
4.26	.0008	.0004	.0001	-.0001	-.0002
4.28	.0007	.0003	-.0001	-.0002	-.0003
4.30	.0005	.0001	-.0002	-.0003	-.0004
4.32	.0004	-.0000	-.0003	-.0004	-.0004
4.34	.0002	-.0002	-.0004	-.0005	-.0005
4.36	.0001	-.0003	-.0005	-.0006	-.0005
4.38	-.0001	-.0004	-.0006	-.0006	-.0006
4.40	-.0002	-.0005	-.0006	-.0006	-.0006
4.42	-.0003	-.0006	-.0007	-.0007	-.0006
4.44	-.0004	-.0007	-.0007	-.0007	-.0006
4.46	-.0005	-.0007	-.0007	-.0006	-.0006
4.48	-.0006	-.0007	-.0007	-.0006	-.0005

$$R_{\Theta}(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	.0001	.0007	.0009	.0007	-.0001
4.52	.0002	.0007	.0009	.0005	-.0002
4.54	.0004	.0008	.0009	.0004	-.0003
4.56	.0005	.0008	.0008	.0003	-.0004
4.58	.0006	.0009	.0007	.0002	-.0005
4.60	.0007	.0008	.0006	.0001	-.0006
4.62	.0007	.0008	.0005	-.0000	-.0006
4.64	.0008	.0008	.0004	-.0002	-.0006
4.66	.0008	.0007	.0003	-.0002	-.0006
4.68	.0008	.0006	.0002	-.0003	-.0006
4.70	.0008	.0006	.0001	-.0004	-.0006
4.72	.0007	.0005	.0000	-.0004	-.0006
4.74	.0007	.0004	-.0001	-.0005	-.0005
4.76	.0006	.0003	-.0002	-.0005	-.0005
4.78	.0005	.0002	-.0002	-.0005	-.0004
4.80	.0005	.0001	-.0003	-.0005	-.0003
4.82	.0004	.0000	-.0003	-.0005	-.0002
4.84	.0003	-.0001	-.0004	-.0004	-.0002
4.86	.0002	-.0001	-.0004	-.0004	-.0001
4.88	.0001	-.0002	-.0004	-.0003	-.0000
4.90	.0000	-.0003	-.0004	-.0003	.0001
4.92	-.0001	-.0003	-.0004	-.0002	.0001
4.94	-.0001	-.0003	-.0003	-.0001	.0002
4.96	-.0002	-.0003	-.0003	-.0001	.0002
4.98	-.0003	-.0003	-.0002	.0000	.0003
5.00	-.0003	-.0003	-.0002	.0001	.0003

$$R_g(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	-.0007	-.0008	-.0007	-.0006	-.0005
4.52	-.0007	-.0008	-.0006	-.0005	-.0004
4.54	-.0007	-.0007	-.0006	-.0005	-.0004
4.56	-.0007	-.0007	-.0005	-.0004	-.0003
4.58	-.0007	-.0006	-.0004	-.0003	-.0002
4.60	-.0007	-.0006	-.0004	-.0002	-.0002
4.62	-.0007	-.0005	-.0003	-.0002	-.0001
4.64	-.0006	-.0004	-.0002	-.0001	-.0000
4.66	-.0005	-.0004	-.0001	-.0000	.0000
4.68	-.0005	-.0003	-.0001	.0000	.0001
4.70	-.0004	-.0002	.0000	.0001	.0001
4.72	-.0003	-.0001	.0001	.0001	.0002
4.74	-.0002	-.0000	.0001	.0002	.0002
4.76	-.0001	.0000	.0002	.0002	.0002
4.78	-.0001	.0001	.0002	.0002	.0002
4.80	.0000	.0002	.0002	.0002	.0002
4.82	.0001	.0002	.0003	.0002	.0002
4.84	.0002	.0002	.0003	.0002	.0002
4.86	.0002	.0003	.0003	.0002	.0002
4.88	.0002	.0003	.0002	.0002	.0002
4.90	.0003	.0003	.0002	.0002	.0001
4.92	.0003	.0003	.0002	.0001	.0001
4.94	.0003	.0002	.0002	.0001	.0001
4.96	.0003	.0002	.0001	.0001	.0000
4.98	.0003	.0002	.0001	.0000	-.0000
5.00	.0003	.0001	.0000	-.0000	-.0000

$$R_{10}(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
.00	1.000000	.953463	.894427	.816497	.707107
.02	.980231	.851712	.710149	.555037	.387274
.04	.941729	.740481	.534304	.330149	.141407
.06	.886078	.622903	.369940	.141589	-.039283
.08	.815304	.502160	.219666	-.011559	-.163493
.10	.731802	.381380	.085615	-.130827	-.239716
.12	.638239	.263548	-.030617	-.218302	-.276124
.14	.537465	.151425	-.127966	-.276544	-.280470
.16	.432420	.047472	-.205912	-.308501	-.259994
.18	.326034	-.046205	-.264467	-.317416	-.221346
.20	.221141	-.127903	-.304139	-.306732	-.170528
.22	.120400	-.196352	-.325895	-.279998	-.112843
.24	.026216	-.250729	-.331106	-.240769	-.052870
.26	-.059317	-.290663	-.321485	-.192527	.005551
.28	-.134466	-.316218	-.299015	-.138590	.059319
.30	-.197892	-.327871	-.265880	-.082046	.106049
.32	-.248674	-.326469	-.224386	-.025689	.144041
.34	-.286311	-.313190	-.176885	.028030	.172237
.36	-.310719	-.289481	-.125709	.077041	.190165
.38	-.322208	-.257003	-.073095	.119679	.197870
.40	-.321454	-.217564	-.021133	.154694	.195849
.42	-.309454	-.173059	.028292	.181251	.184970
.44	-.287480	-.125403	.073542	.198915	.166395
.46	-.257024	-.076470	.113256	.207628	.141503
.48	-.219737	-.028041	.146373	.207677	.111811
.50	-.177372	.018248	.172144	.199650	.078904
.52	-.131717	.060950	.190132	.184394	.044365
.54	-.084546	.098836	.200203	.162956	.009716
.56	-.037557	.130922	.202510	.136538	-.023632
.58	.007675	.156487	.197464	.106437	-.054427
.60	.049736	.175074	.185705	.073996	-.081607
.62	.087416	.186493	.168063	.040548	-.104325
.64	.119725	.190806	.145517	.007375	-.121962
.66	.145919	.188307	.119151	-.024335	-.134135
.68	.165504	.179505	.090113	-.053524	-.140691
.70	.178236	.165085	.059570	-.079291	-.141696
.72	.184117	.145879	.028667	-.100912	-.137421
.74	.183375	.122828	-.001508	-.117856	-.128313
.76	.176445	.096943	-.029960	-.129788	-.114967
.78	.163940	.069270	-.055813	-.136569	-.098099
.80	.146621	.040850	-.079333	-.138250	-.078510
.82	.125364	.012686	-.096942	-.135054	-.057048
.84	.101121	-.014289	-.111231	-.127364	-.034582
.86	.074887	-.039236	-.120960	-.115692	-.011966
.88	.047660	-.061435	-.126060	-.100660	.009993
.90	.020414	-.080300	-.126620	-.082970	.030553
.92	-.005936	-.095394	-.122880	-.063374	.049067
.94	-.030561	-.106428	-.115209	-.042646	.064994
.96	-.052737	-.113268	-.104088	-.021554	.077914
.98	-.071866	-.115928	-.090085	-.000837	.087537
1.00	-.087487	-.114560	-.073834	.018822	.093702
1.02	-.099282	-.109442	-.056007	.036817	.096376
1.04	-.107080	-.100960	-.037289	.052629	.095649
1.06	-.110854	-.089590	-.018358	.065843	.091724
1.08	-.110710	-.075877	.000141	.076156	.084902
1.10	-.106881	-.060413	.017615	.083380	.075564
1.12	-.099707	-.043812	.033538	.087441	.064160
1.14	-.089619	-.026692	.047466	.088374	.051183
1.16	-.077123	-.009652	.059048	.086320	.037153
1.18	-.062771	.006747	.068028	.081511	.022599
1.20	-.047149	.021995	.074256	.074257	.008037
1.22	-.030848	.035653	.077677	.064934	-.006045
1.24	-.014449	.047358	.078337	.053966	-.019201
1.26	.001499	.056832	.076368	.041808	-.031040
1.28	.016491	.063888	.071984	.028929	-.041237
1.30	.030084	.068431	.065465	.015796	-.049539
1.32	.041909	.070452	.057148	.002858	-.055773
1.34	.051674	.070029	.047408	-.009466	-.059841
1.36	.059173	.067314	.036649	-.020803	-.061724
1.38	.064287	.062528	.025284	-.030833	-.061478
1.40	.066984	.055947	.013722	-.039295	-.059226
1.42	.067311	.047891	.002356	-.045998	-.055151
1.44	.065394	.038710	-.008448	-.050818	-.049485
1.46	.061424	.028771	-.018366	-.053701	-.042503
1.48	.055650	.018446	-.027121	-.054659	-.034506

$$R_{10}(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
.00	.577350	.500000	.408248	.353553	.316228
.02	.246443	.185233	.129280	.102786	.087105
.04	.018802	-.019277	-.041611	-.046263	-.046597
.06	-.125407	-.138207	-.131847	-.120868	-.111280
.08	-.203826	-.192686	-.164119	-.143242	-.128241
.10	-.231963	-.200574	-.156922	-.131172	-.114354
.12	-.223278	-.176737	-.125052	-.098607	-.082698
.14	-.189275	-.133325	-.085067	-.056202	-.043127
.16	-.139612	-.080037	-.030731	-.011814	-.002780
.18	-.082216	-.024392	.016585	.029046	.033448
.20	-.023417	.028010	.057525	.062802	.062495
.22	.031918	.073242	.089404	.087447	.082760
.24	.080236	.108802	.110896	.102211	.093775
.26	.119154	.133364	.121744	.107272	.095926
.28	.147304	.146663	.122513	.103501	.090199
.30	.164185	.149093	.114357	.092242	.077980
.32	.170013	.141717	.098829	.075127	.060872
.34	.165881	.126000	.077712	.053918	.040558
.36	.152117	.103679	.052872	.030381	.018681
.38	.131164	.076630	.026147	.006188	-.003237
.40	.104457	.046750	-.000745	-.017161	-.023867
.42	.073817	.015869	-.026279	-.038391	-.042108
.44	.041066	-.014334	-.049171	-.056484	-.057115
.46	.007937	-.042381	-.068407	-.070694	-.068308
.48	-.023981	-.067047	-.083260	-.080554	-.075363
.50	-.053300	-.087377	-.093285	-.085858	-.078201
.52	-.078869	-.102703	-.098313	-.086644	-.076958
.54	-.099794	-.112641	-.098424	-.083165	-.071960
.56	-.115456	-.117077	-.093922	-.075854	-.063683
.58	-.125504	-.116149	-.085292	-.065286	-.052719
.60	-.129847	-.110217	-.073169	-.052141	-.039736
.62	-.128639	-.099824	-.058294	-.037160	-.025443
.64	-.122245	-.085664	-.041472	-.021114	-.010557
.66	-.111215	-.068538	-.023536	-.004764	.004233
.68	-.096247	-.049313	-.005307	.011171	.018287
.70	-.078148	-.028884	.012437	.026033	.031042
.72	-.057794	-.008137	.028986	.039256	.042025
.74	-.036093	.012088	.043727	.050376	.050869
.76	-.013950	.031021	.056157	.059045	.057315
.78	.007771	.047992	.065897	.065034	.061220
.80	.028271	.062446	.072694	.068235	.062552
.82	.046847	.073956	.076429	.068658	.061380
.84	.062906	.082233	.077106	.066419	.057870
.86	.075985	.087127	.074846	.061733	.052271
.88	.085753	.088620	.069876	.054894	.044897
.90	.092022	.086824	.062513	.046265	.036111
.92	.094741	.081966	.053145	.036254	.026314
.94	.093987	.074370	.042214	.025300	.015920
.96	.089961	.064445	.030195	.013852	.005343
.98	.082968	.052660	.017580	.002356	-.005017
1.00	.073401	.039526	.004853	-.008766	-.014788
1.02	.061725	.025576	-.007522	-.019129	-.023643
1.04	.048453	.011343	-.019117	-.028393	-.031303
1.06	.034126	-.002658	-.029557	-.036278	-.037547
1.08	.019293	-.015949	-.038527	-.042567	-.042217
1.10	.004491	-.028101	-.045779	-.047111	-.045220
1.12	-.009772	-.038747	-.051141	-.049832	-.046526
1.14	-.023034	-.047593	-.054516	-.050719	-.046169
1.16	-.034891	-.054421	-.055880	-.049828	-.044238
1.18	-.045011	-.059098	-.055283	-.047273	-.040874
1.20	-.053138	-.061568	-.052839	-.043222	-.036261
1.22	-.059097	-.061856	-.048721	-.037883	-.030616
1.24	-.062796	-.060060	-.043149	-.031503	-.024183
1.26	-.064227	-.056346	-.036385	-.024349	-.017219
1.28	-.063456	-.050933	-.028716	-.016702	-.009988
1.30	-.060622	-.044088	-.020446	-.008844	-.002748
1.32	-.055925	-.036115	-.011883	-.001053	.004256
1.34	-.049620	-.027336	-.003330	.006411	.010796
1.36	-.041998	-.018087	.004926	.013315	.016677
1.38	-.033382	-.008699	.012624	.019453	.021731
1.40	-.024110	.000507	.019534	.024658	.025831
1.42	-.014523	.009236	.025465	.028802	.028885
1.44	-.004956	.017221	.030270	.031800	.030845
1.46	.004276	.024236	.033845	.033609	.031698
1.48	.012886	.030101	.036135	.034230	.031472

$$R_{10}(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
1.50	.048365	.008098	-.034490	-.053770	-.025814
1.52	.0399	-.0019	-.0403	-.0512	-.0168
1.54	.0306	-.0113	-.0444	-.0470	-.0077
1.56	.0209	-.0197	-.0469	-.0416	.0012
1.58	.0110	-.0271	-.0477	-.0351	.0095
1.60	.0013	-.0331	-.0468	-.0278	.0170
1.62	-.0079	-.0377	-.0445	-.0200	.0236
1.64	-.0162	-.0408	-.0409	-.0121	.0290
1.66	-.0236	-.0423	-.0361	-.0041	.0332
1.68	-.0298	-.0424	-.0304	.0035	.0360
1.70	-.0346	-.0411	-.0240	.0106	.0376
1.72	-.0380	-.0385	-.0172	.0169	.0378
1.74	-.0400	-.0348	-.0102	.0223	.0367
1.76	-.0405	-.0301	-.0033	.0266	.0345
1.78	-.0396	-.0248	.0033	.0299	.0313
1.80	-.0375	-.0189	.0094	.0319	.0273
1.82	-.0343	-.0127	.0149	.0328	.0225
1.84	-.0302	-.0065	.0195	.0326	.0174
1.86	-.0252	-.0004	.0233	.0313	.0119
1.88	-.0198	.0053	.0260	.0290	.0064
1.90	-.0139	.0106	.0278	.0259	.0010
1.92	-.0080	.0152	.0285	.0222	-.0042
1.94	-.0021	.0190	.0283	.0179	-.0089
1.96	.0035	.0220	.0271	.0133	-.0131
1.98	.0086	.0241	.0251	.0085	-.0166
2.00	.0132	.0252	.0224	.0037	-.0193
2.02	.0171	.0255	.0191	-.0009	-.0213
2.04	.0202	.0249	.0154	-.0053	-.0224
2.06	.0225	.0236	.0113	-.0092	-.0228
2.08	.0239	.0215	.0072	-.0126	-.0224
2.10	.0244	.0188	.0030	-.0154	-.0213
2.12	.0241	.0157	-.0010	-.0175	-.0195
2.14	.0230	.0122	-.0048	-.0190	-.0172
2.16	.0213	.0086	-.0082	-.0197	-.0145
2.18	.0189	.0048	-.0111	-.0197	-.0115
2.20	.0160	.0011	-.0135	-.0191	-.0082
2.22	.0128	-.0024	-.0153	-.0179	-.0049
2.24	.0094	-.0056	-.0165	-.0162	-.0016
2.26	.0058	-.0085	-.0171	-.0141	.0015
2.28	.0022	-.0109	-.0171	-.0116	.0045
2.30	-.0012	-.0128	-.0166	-.0088	.0071
2.32	-.0044	-.0142	-.0155	-.0060	.0093
2.34	-.0072	-.0150	-.0140	-.0031	.0111
2.36	-.0096	-.0153	-.0121	-.0003	.0124
2.38	-.0116	-.0151	-.0099	.0024	.0132
2.40	-.0131	-.0144	-.0075	.0048	.0135
2.42	-.0141	-.0133	-.0051	.0069	.0134
2.44	-.0145	-.0118	-.0026	.0087	.0129
2.46	-.0145	-.0100	-.0001	.0101	.0119
2.48	-.0139	-.0079	.0022	.0110	.0106
2.50	-.0130	-.0058	.0043	.0116	.0091
2.52	-.0117	-.0035	.0061	.0117	.0073
2.54	-.0100	-.0013	.0076	.0115	.0054
2.56	-.0081	.0008	.0088	.0108	.0034
2.58	-.0061	.0028	.0096	.0099	.0014
2.60	-.0040	.0046	.0101	.0086	-.0005
2.62	-.0018	.0061	.0102	.0072	-.0023
2.64	.0002	.0073	.0099	.0056	-.0039
2.66	.0022	.0083	.0093	.0039	-.0053
2.68	.0039	.0088	.0085	.0022	-.0064
2.70	.0055	.0091	.0074	.0005	-.0073
2.72	.0067	.0091	.0062	-.0011	-.0078
2.74	.0077	.0087	.0048	-.0026	-.0081
2.76	.0084	.0081	.0033	-.0040	-.0081
2.78	.0087	.0072	.0018	-.0051	-.0078
2.80	.0088	.0062	.0003	-.0060	-.0073
2.82	.0085	.0050	-.0011	-.0066	-.0066
2.84	.0080	.0037	-.0024	-.0070	-.0057
2.86	.0072	.0024	-.0035	-.0071	-.0047
2.88	.0063	.0010	-.0045	-.0070	-.0036
2.90	.0052	-.0003	-.0052	-.0067	-.0024
2.92	.0040	-.0015	-.0058	-.0062	-.0012
2.94	.0027	-.0026	-.0061	-.0055	-.0000
2.96	.0015	-.0035	-.0062	-.0047	.0011
2.98	.0002	-.0043	-.0061	-.0037	.0020

$$R_{10}(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
1.50	.020622	.034681	.037130	.033701	.030228
1.52	.0273	.0379	.0369	.0321	.0281
1.54	.0327	.0397	.0354	.0295	.0251
1.56	.0367	.0401	.0329	.0261	.0214
1.58	.0393	.0392	.0294	.0221	.0173
1.60	.0405	.0370	.0252	.0175	.0128
1.62	.0403	.0338	.0203	.0126	.0081
1.64	.0389	.0296	.0151	.0075	.0034
1.66	.0362	.0248	.0096	.0025	-.0011
1.68	.0325	.0193	.0042	-.0023	-.0054
1.70	.0279	.0136	-.0011	-.0068	-.0093
1.72	.0227	.0077	-.0061	-.0109	-.0127
1.74	.0171	.0019	-.0106	-.0144	-.0154
1.76	.0111	-.0037	-.0146	-.0172	-.0176
1.78	.0052	-.0088	-.0178	-.0193	-.0190
1.80	-.0006	-.0134	-.0203	-.0206	-.0197
1.82	-.0060	-.0172	-.0219	-.0213	-.0198
1.84	-.0109	-.0203	-.0228	-.0211	-.0192
1.86	-.0152	-.0225	-.0229	-.0204	-.0181
1.88	-.0188	-.0239	-.0222	-.0190	-.0164
1.90	-.0215	-.0245	-.0209	-.0170	-.0142
1.92	-.0234	-.0242	-.0189	-.0146	-.0117
1.94	-.0244	-.0231	-.0165	-.0119	-.0090
1.96	-.0246	-.0213	-.0136	-.0089	-.0062
1.98	-.0239	-.0190	-.0105	-.0058	-.0033
2.00	-.0225	-.0161	-.0072	-.0027	-.0004
2.02	-.0205	-.0129	-.0038	.0003	.0023
2.04	-.0179	-.0095	-.0005	.0031	.0048
2.06	-.0148	-.0059	.0026	.0057	.0069
2.08	-.0115	-.0024	.0054	.0079	.0088
2.10	-.0080	.0010	.0080	.0098	.0102
2.12	-.0044	.0042	.0101	.0112	.0112
2.14	-.0009	.0071	.0117	.0122	.0119
2.16	.0025	.0096	.0129	.0128	.0120
2.18	.0056	.0116	.0136	.0129	.0118
2.20	.0083	.0131	.0138	.0125	.0112
2.22	.0106	.0141	.0136	.0118	.0103
2.24	.0124	.0146	.0129	.0107	.0091
2.26	.0137	.0146	.0118	.0094	.0077
2.28	.0144	.0141	.0105	.0078	.0061
2.30	.0147	.0132	.0088	.0061	.0044
2.32	.0144	.0119	.0070	.0042	.0027
2.34	.0137	.0102	.0050	.0024	.0010
2.36	.0126	.0084	.0030	.0005	-.0007
2.38	.0112	.0064	.0010	-.0012	-.0022
2.40	.0094	.0043	-.0009	-.0028	-.0036
2.42	.0075	.0021	-.0026	-.0042	-.0048
2.44	.0054	.0001	-.0042	-.0054	-.0057
2.46	.0032	-.0019	-.0055	-.0063	-.0064
2.48	.0011	-.0037	-.0066	-.0070	-.0068
2.50	-.0009	-.0052	-.0074	-.0074	-.0070
2.52	-.0028	-.0065	-.0079	-.0076	-.0070
2.54	-.0045	-.0075	-.0081	-.0074	-.0067
2.56	-.0059	-.0082	-.0080	-.0071	-.0062
2.58	-.0071	-.0086	-.0077	-.0065	-.0053
2.60	-.0079	-.0087	-.0071	-.0057	-.0047
2.62	-.0085	-.0084	-.0064	-.0048	-.0038
2.64	-.0087	-.0079	-.0054	-.0038	-.0028
2.66	-.0087	-.0072	-.0044	-.0027	-.0018
2.68	-.0083	-.0063	-.0032	-.0016	-.0008
2.70	-.0077	-.0052	-.0020	-.0005	.0002
2.72	-.0069	-.0040	-.0008	.0005	.0012
2.74	-.0059	-.0028	.0003	.0015	.0020
2.76	-.0047	-.0015	.0014	.0024	.0028
2.78	-.0035	-.0003	.0024	.0031	.0034
2.80	-.0022	.0009	.0032	.0037	.0038
2.82	-.0010	.0020	.0039	.0042	.0041
2.84	.0003	.0030	.0044	.0045	.0043
2.86	.0014	.0038	.0047	.0046	.0043
2.88	.0025	.0044	.0049	.0046	.0041
2.90	.0034	.0049	.0049	.0044	.0039
2.92	.0041	.0052	.0048	.0041	.0035
2.94	.0047	.0052	.0045	.0036	.0030
2.96	.0050	.0052	.0040	.0031	.0025
2.98	.0052	.0049	.0035	.0025	.0019

$$R_{10}(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
3.00	-.0010	-.0049	-.0058	-.0027	.0029
3.02	-.0021	-.0053	-.0054	-.0017	.0036
3.04	-.0030	-.0055	-.0047	-.0007	.0042
3.06	-.0038	-.0055	-.0040	.0003	.0046
3.08	-.0044	-.0053	-.0032	.0012	.0048
3.10	-.0049	-.0050	-.0023	.0021	.0048
3.12	-.0051	-.0045	-.0014	.0028	.0047
3.14	-.0052	-.0039	-.0005	.0033	.0044
3.16	-.0051	-.0032	.0003	.0038	.0040
3.18	-.0048	-.0025	.0011	.0040	.0035
3.20	-.0044	-.0017	.0018	.0041	.0029
3.22	-.0039	-.0009	.0024	.0041	.0022
3.24	-.0032	-.0001	.0029	.0040	.0015
3.26	-.0025	.0006	.0033	.0037	.0008
3.28	-.0018	.0013	.0035	.0033	.0001
3.30	-.0010	.0019	.0036	.0026	-.0005
3.32	-.0003	.0024	.0036	.0023	-.0011
3.34	.0005	.0028	.0034	.0017	-.0017
3.36	.0011	.0031	.0032	.0010	-.0021
3.38	.0017	.0032	.0028	.0004	-.0025
3.40	.0022	.0032	.0024	-.0002	-.0027
3.42	.0026	.0032	.0019	-.0007	-.0029
3.44	.0029	.0030	.0014	-.0012	-.0029
3.46	.0031	.0027	.0009	-.0017	-.0029
3.48	.0032	.0024	.0003	-.0020	-.0028
3.50	.0031	.0020	-.0002	-.0023	-.0025
3.52	.0030	.0015	-.0007	-.0025	-.0022
3.54	.0028	.0011	-.0011	-.0026	-.0019
3.56	.0025	.0006	-.0015	-.0026	-.0015
3.58	.0021	.0001	-.0018	-.0025	-.0011
3.60	.0017	-.0003	-.0020	-.0024	-.0007
3.62	.0012	-.0008	-.0022	-.0022	-.0002
3.64	.0006	-.0011	-.0023	-.0019	.0002
3.66	.0003	-.0014	-.0023	-.0016	.0005
3.68	-.0001	-.0017	-.0022	-.0012	.0009
3.70	-.0005	-.0019	-.0021	-.0008	.0012
3.72	-.0009	-.0020	-.0019	-.0005	.0014
3.74	-.0012	-.0020	-.0016	-.0001	.0016
3.76	-.0015	-.0020	-.0013	.0002	.0017
3.78	-.0017	-.0019	-.0010	.0006	.0017
3.80	-.0018	-.0017	-.0007	.0008	.0017
3.82	-.0018	-.0016	-.0004	.0011	.0016
3.84	-.0018	-.0013	-.0001	.0012	.0015
3.86	-.0018	-.0011	.0002	.0014	.0013
3.88	-.0016	-.0008	.0005	.0014	.0011
3.90	-.0015	-.0005	.0007	.0014	.0009
3.92	-.0013	-.0002	.0009	.0014	.0007
3.94	-.0010	.0001	.0011	.0013	.0004
3.96	-.0006	.0003	.0012	.0012	.0002
3.98	-.0005	.0006	.0012	.0010	-.0001
4.00	-.0002	.0007	.0012	.0009	-.0003
4.02	.0001	.0009	.0012	.0007	-.0005
4.04	.0003	.0010	.0011	.0004	-.0007
4.06	.0005	.0011	.0010	.0002	-.0009
4.08	.0007	.0011	.0009	-.0000	-.0010
4.10	.0009	.0011	.0007	-.0002	-.0010
4.12	.0010	.0011	.0005	-.0004	-.0011
4.14	.0011	.0010	.0003	-.0006	-.0011
4.16	.0012	.0009	.0002	-.0007	-.0010
4.18	.0012	.0008	-.0000	-.0008	-.0010
4.20	.0011	.0006	-.0002	-.0009	-.0009
4.22	.0011	.0004	-.0004	-.0010	-.0008
4.24	.0010	.0003	-.0005	-.0010	-.0006
4.26	.0008	.0001	-.0007	-.0010	-.0005
4.28	.0007	-.0001	-.0008	-.0009	-.0003
4.30	.0005	-.0002	-.0008	-.0009	-.0002
4.32	.0004	-.0004	-.0009	-.0008	-.0000
4.34	.0002	-.0005	-.0009	-.0007	.0001
4.36	.0001	-.0006	-.0009	-.0005	.0002
4.38	-.0001	-.0007	-.0008	-.0004	.0004
4.40	-.0002	-.0007	-.0008	-.0003	.0004
4.42	-.0004	-.0007	-.0007	-.0001	.0005
4.44	-.0005	-.0008	-.0006	-.0000	.0006
4.46	-.0005	-.0007	-.0005	.0001	.0006
4.48	-.0006	-.0007	-.0004	.0002	.0006

$$R_{10}(x, r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
3.00	.0052	.0045	.0029	.0019	.0013
3.02	.0051	.0040	.0022	.0012	.0007
3.04	.0047	.0034	.0015	.0006	.0001
3.06	.0043	.0027	.0008	-.0001	-.0005
3.08	.0037	.0019	.0001	-.0007	-.0010
3.10	.0030	.0012	-.0006	-.0012	-.0015
3.12	.0023	.0004	-.0012	-.0017	-.0018
3.14	.0015	-.0003	-.0017	-.0021	-.0021
3.16	.0008	-.0010	-.0021	-.0023	-.0023
3.18	.0000	-.0016	-.0025	-.0025	-.0024
3.20	-.0007	-.0021	-.0027	-.0026	-.0025
3.22	-.0013	-.0025	-.0028	-.0026	-.0024
3.24	-.0019	-.0028	-.0029	-.0026	-.0023
3.26	-.0023	-.0030	-.0028	-.0024	-.0021
3.28	-.0027	-.0031	-.0026	-.0021	-.0018
3.30	-.0030	-.0030	-.0024	-.0018	-.0015
3.32	-.0031	-.0029	-.0021	-.0015	-.0011
3.34	-.0031	-.0027	-.0017	-.0011	-.0008
3.36	-.0030	-.0024	-.0013	-.0007	-.0004
3.38	-.0029	-.0020	-.0009	-.0003	-.0000
3.40	-.0026	-.0016	-.0005	.0001	.0003
3.42	-.0023	-.0012	-.0000	.0004	.0006
3.44	-.0019	-.0007	.0004	.0007	.0009
3.46	-.0015	-.0003	.0007	.0010	.0011
3.48	-.0010	.0001	.0010	.0013	.0013
3.50	-.0006	.0006	.0013	.0015	.0015
3.52	-.0001	.0009	.0015	.0016	.0015
3.54	.0003	.0012	.0017	.0017	.0016
3.56	.0007	.0015	.0018	.0017	.0016
3.58	.0011	.0017	.0017	.0016	.0015
3.60	.0014	.0018	.0018	.0016	.0014
3.62	.0016	.0019	.0017	.0014	.0012
3.64	.0018	.0019	.0016	.0013	.0010
3.66	.0019	.0018	.0014	.0011	.0008
3.68	.0019	.0017	.0012	.0008	.0006
3.70	.0019	.0016	.0009	.0006	.0004
3.72	.0018	.0013	.0007	.0004	.0002
3.74	.0016	.0011	.0004	.0001	-.0000
3.76	.0014	.0009	.0002	-.0001	-.0002
3.78	.0012	.0006	-.0001	-.0003	-.0004
3.80	.0010	.0003	-.0003	-.0005	-.0006
3.82	.0007	.0000	-.0005	-.0006	-.0007
3.84	.0004	-.0002	-.0007	-.0008	-.0008
3.86	.0002	-.0004	-.0008	-.0008	-.0008
3.88	-.0001	-.0006	-.0009	-.0009	-.0008
3.90	-.0004	-.0008	-.0010	-.0009	-.0008
3.92	-.0006	-.0009	-.0010	-.0009	-.0008
3.94	-.0008	-.0010	-.0010	-.0008	-.0007
3.96	-.0009	-.0011	-.0009	-.0008	-.0007
3.98	-.0010	-.0011	-.0009	-.0007	-.0006
4.00	-.0011	-.0010	-.0008	-.0006	-.0004
4.02	-.0011	-.0010	-.0006	-.0004	-.0003
4.04	-.0011	-.0009	-.0005	-.0003	-.0002
4.06	-.0011	-.0008	-.0004	-.0002	-.0000
4.08	-.0010	-.0006	-.0002	-.0000	.0001
4.10	-.0009	-.0005	-.0001	.0001	.0002
4.12	-.0007	-.0003	.0001	.0003	.0003
4.14	-.0006	-.0002	.0002	.0004	.0004
4.16	-.0004	.0000	.0004	.0005	.0005
4.18	-.0003	.0002	.0005	.0005	.0005
4.20	-.0001	.0003	.0006	.0006	.0006
4.22	.0000	.0004	.0006	.0006	.0006
4.24	.0002	.0005	.0007	.0006	.0006
4.26	.0003	.0006	.0007	.0006	.0006
4.28	.0004	.0007	.0007	.0006	.0005
4.30	.0005	.0007	.0007	.0006	.0005
4.32	.0006	.0007	.0006	.0005	.0004
4.34	.0007	.0007	.0006	.0005	.0004
4.36	.0007	.0007	.0005	.0004	.0003
4.38	.0007	.0006	.0004	.0003	.0002
4.40	.0007	.0006	.0003	.0002	.0001
4.42	.0006	.0005	.0002	.0001	.0001
4.44	.0006	.0004	.0001	.0000	-.0000
4.46	.0005	.0003	.0001	-.0000	-.0001
4.48	.0004	.0002	-.0000	-.0001	-.0001

$$R_{10}(x, r)$$

$x \backslash r$	1.	1.1	1.25	1.5	2.0
4.50	-.0006	-.0006	-.0003	.0003	.0006
4.52	-.0006	-.0005	-.0001	.0004	.0005
4.54	-.0006	-.0005	-.0000	.0004	.0005
4.56	-.0006	-.0004	.0001	.0005	.0004
4.58	-.0005	-.0003	.0002	.0005	.0004
4.60	-.0005	-.0002	.0002	.0005	.0003
4.62	-.0004	-.0001	.0003	.0004	.0002
4.64	-.0003	.0000	.0003	.0004	.0001
4.66	-.0002	.0001	.0004	.0004	-.0000
4.68	-.0001	.0002	.0004	.0003	-.0001
4.70	-.0000	.0003	.0004	.0002	-.0002
4.72	.0001	.0003	.0004	.0002	-.0002
4.74	.0002	.0004	.0003	.0001	-.0003
4.76	.0002	.0004	.0003	-.0000	-.0003
4.78	.0003	.0004	.0002	-.0001	-.0004
4.80	.0004	.0004	.0002	-.0002	-.0004
4.82	.0004	.0003	.0001	-.0002	-.0004
4.84	.0004	.0003	.0000	-.0003	-.0004
4.86	.0004	.0003	-.0000	-.0003	-.0004
4.88	.0004	.0002	-.0001	-.0004	-.0004
4.90	.0004	.0002	-.0002	-.0004	-.0003
4.92	.0004	.0001	-.0002	-.0004	-.0003
4.94	.0003	.0000	-.0003	-.0004	-.0002
4.96	.0003	-.0000	-.0003	-.0004	-.0002
4.98	.0002	-.0001	-.0003	-.0004	-.0001
5.00	.0002	-.0001	-.0004	-.0003	-.0001

$$R_{10}(x,r)$$

$x \backslash r$	3.0	4.0	6.0	8.0	10.0
4.50	.0003	.0001	-.0001	-.0002	-.0002
4.52	.0002	-.0000	-.0002	-.0002	-.0002
4.54	.0001	-.0001	-.0002	-.0002	-.0003
4.56	.0000	-.0002	-.0003	-.0003	-.0003
4.58	-.0001	-.0002	-.0003	-.0003	-.0003
4.60	-.0002	-.0003	-.0003	-.0003	-.0003
4.62	-.0002	-.0003	-.0003	-.0003	-.0002
4.64	-.0003	-.0003	-.0003	-.0003	-.0002
4.66	-.0003	-.0004	-.0003	-.0002	-.0002
4.68	-.0004	-.0004	-.0003	-.0002	-.0001
4.70	-.0004	-.0003	-.0002	-.0001	-.0001
4.72	-.0004	-.0003	-.0002	-.0001	-.0001
4.74	-.0004	-.0003	-.0001	-.0000	-.0000
4.76	-.0004	-.0002	-.0001	.0000	.0000
4.78	-.0003	-.0002	-.0000	.0001	.0001
4.80	-.0003	-.0001	.0000	.0001	.0001
4.82	-.0002	-.0001	.0001	.0002	.0002
4.84	-.0002	-.0000	.0001	.0002	.0002
4.86	-.0001	.0001	.0002	.0002	.0002
4.88	-.0001	.0001	.0002	.0002	.0002
4.90	-.0000	.0002	.0002	.0003	.0002
4.92	.0001	.0002	.0003	.0003	.0003
4.94	.0001	.0002	.0003	.0003	.0002
4.96	.0001	.0003	.0003	.0003	.0002
4.98	.0002	.0003	.0003	.0003	.0002
5.00	.0002	.0003	.0003	.0002	.0002